TV-VCR Combination

Service
Service
Service

14PV135/01/07/58
14PV235/01/07/58
14PV385/01/07/39

Service Manual

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Disessembly / Assembly of Mechenism
Deck Exploded Views

Survey of versions:

/01	PAL-BG, EURO
/07	PAL I, UK/IRELAND
/39	PAL/SECAM-BG+PAL/SECAM-L/L',FRANCE
/58	PAL-BG/DK+SECAM-BG/DK,EAST-EURO

For technical data reference is made to the Service Manual of 21PV385/01/07/39/58 3103 785 22330 (VN: 1B). The present manual states only the differences.

Safety regulations require thet the set be restored to its originel condition end thet perts which ere identicel with those specified be used.

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PREPARATION FOR SERVICING

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

How to Enter the Service Mode

Caution: 1

1. Optical sensors system are used for Tape Start and End Sensor on this equipment. Read this page carefully and prepare as described on this page before starting to service; otherwise, the unit may operate unexpectedly.

Preparing: 1

1. Cover Q202 (START SENSOR) and Q201 (END SENSOR) with Insulation Tape or enter the service mode to activate Sensor Inhibition automatically.

Note: Avoid playing, rewinding or fast forwarding the tape to its beginning or end, because both Tape End Sensors are not active.

How to Enter the Service Mode

1. Turn the power on. (Use main power on the TV unit.)
2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds. When entering the service mode, "4" will display at corners of the screen.
3. During the service mode, electrical adjustment mode can be selected by remote control key.

   Details are as follows.

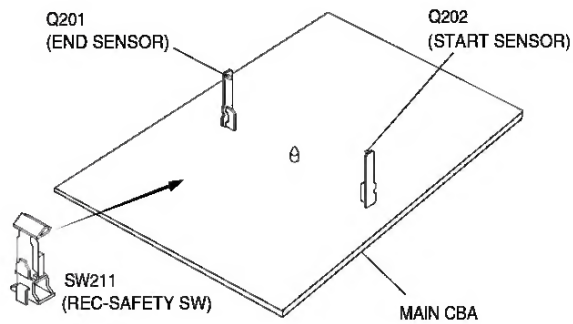
Key	Adjustment Mode
MENU	Picture adjustment mode: Press the MENU button to change from BRT (Bright), *CNT (Contrast), *COL (Color), *TNT(Tint) and SHP(SHARP). Press P+/P- key to adjust Initial Value. *Marked items are not necessary to adjust normally.
◿ -	SECAM Black Level adjustment mode: See adjustment instructions page 1-6-13. Cut-Off adjustment mode: See adjustment instructions page 1-6-14. White Balance adjustment mode: See adjustment instructions page 1-6-15.
0	C-Trap adjustment mode: See adjustment instructions page 1-6-12.
1	DSPC adjustment mode: See adjustment instructions page 1-6-12.
2	H adjustment mode: See adjustment instructions page 1-6-11.
3	Head switching point adjustment mode (Auto adjustment): See adjustment instructions page 1-6-17.
4	Auto record mode: Perform recording (15 Sec.)-->Stop-->Rewind (Zero return) automatically.
5	Head switching point adjustment mode (Manual adjustment): See adjustment instructions page 1-6-17.
6	No need to use.
7	No need to use.
8	H. Shift adjustment mode: See adjustment instructions page 1-6-14.
9	V.size/V. shift adjustment: See adjustment instructions page 1-6-13.

Caution: 2

1. The deck mechanism assembly is mounted on the Main CBA directly, and SW211 (REC-SAFETY SW) is mounted on the Main CBA. When deck mechanism assembly is removed from the Main CBA due to servicing, this switch can not be operated automatically.

Preparing: 2

1. To eject the tape, press the STOP/EJECT button on the unit (or Remote Control).
2. When you want to record during the Service mode, press the Rec button while depressing SW211 (REC-SAFETY SW) on the Main CBA.



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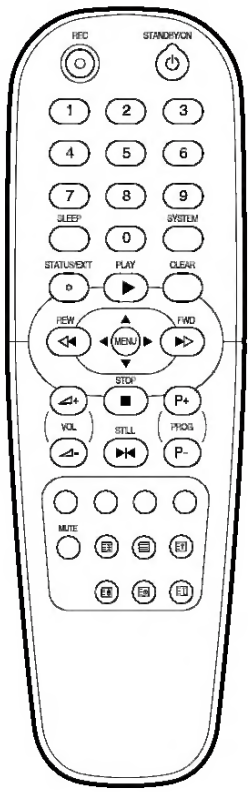
OPERATING CONTROLS AND FUNCTIONS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58)]

The remote control



REC ● To record the TV channel selected at this moment or press repeatedly to start e One-Touch Recording.

STANDBY/ON ⏻ To switch off or on, interrupt menu function.

0..9 Press to select channels at TVCR.

SLEEP To select the switch-off time in 30 minutes intervals.

SYSTEM Doesn't work on this models. (14PV135/01, 07 / 14PV235/01, 07)

To change Video (colour) system. (14PV135/58 / 14PV235/58)

STATUS/EXIT To access or remove the TVCR's on-screen stafus display. To exit on-screen menus.

CLEAR To delete last entry. To cleer e programmed recording (TIMER). To reset the elapsed time counter in the playback, recording or stop mode.

STILL ▶▮◀ To stop the tape and play back a picture step by step. (except for during fast forwarding and fast rewinding)

MENU To call up main menu of TVCR.

FWD ▶▷- ▶ When tape playback is stopped, press to fast torward the tape at high speed. During playback, press to fast torward the tape while the picture stays on the screen. To store or confirm entry in the menu. Press to adjust the controls of TVCR menu.

REW ◁◀- ◀ When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen.To return the cursor in the menu. Press to adjust the controls ot TVCR menu.

PLAY ▶- ▲ To play back a tape, select an item in the menu of TVCR.

STOP ■- ▼ To stop the tape, select an item in the menu of TVCR.

VOL ◿+ **VOL ◿−** To adjust the volume.

PROG P+ **PROG P−** To select the programme number. During playback, press to adjust the tracking.

MUTE To eliminate the TV's sound. Press again to restore the volume.

Red button/ Green button/ Yellow button/ Blue button/ Doesn't work on these models.

<14PV235>

: To switch Teletext on or off, or transparent mode.

: Enlarge tont

: Select Teletext sub-page

: Recall hidden information

: Stop page changes

: Go back to start page.

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Front of your TVCR

STANDBY/ON: To switch ott or on, interrupt menu function.

Volume: In connection with the button + − to adjust the volume.

P+ **P-** **Programme number:** To select the programme number. During playback, press to adjust the tracking. To remove vertical jitter in a Still picture.

Record: To record the programme currently selected.

Pleyback: To play a recorded cassette.

Pause/ Stop, eject cassette: To stop the tape; It this key is depressed while in STOP, the cassette is then ejected trom the machine.

When tape playback is stopped, press to fast forward the tape at hight speed.

When tape playback is stoped, press to rewind the tape at hight speed.

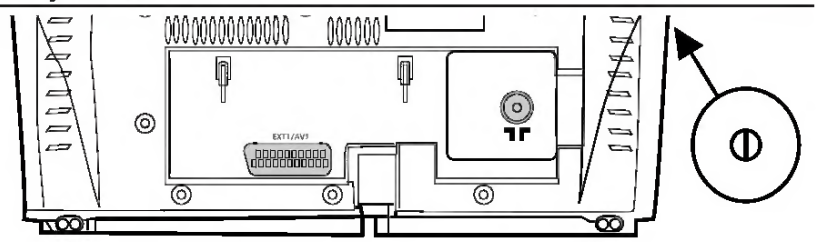
Sockets on the tront:

White socket / AUDIO input socket: To connect a camcorder or a video game machine (audio).

Yellow socket / VIDEO input socket: To connect a camcorder or a video game machine (video).

Smell socket / socket tor headphones: To connect headphones.

Back of your TVCR



Aerial input socket: To connect the aerial cable.

EXT1/AV Scart socket : To connect a satellite receiver, decoder, video recorder, etc

Power switch: To switch the TV-Video Combi off.

Caution: It you switch off using the power switch, TIMER-recordings are impossible!

The control lights on the front of machine

STANDBY **Standby light:** lights up when the TV-Video Combi has been switched on by means of the main switch.

RECORD **Recording light:** lights up during recording.

FAST blink: RECORDING PAUSE; TIMER RECORDING NOT STAND-BY.

SLOW blink: TIMER RECORDING is stored in a timer block.

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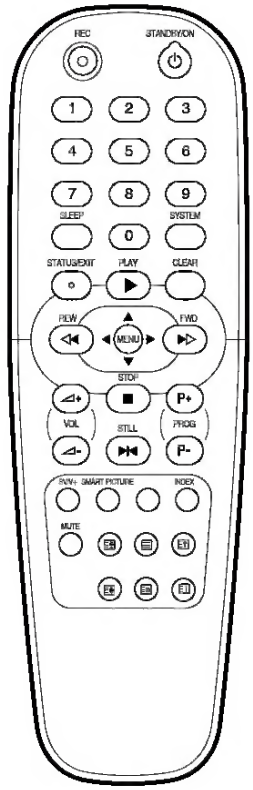
The remote control



REC ● To record the TV channel selected at this moment or press repeatedly to start a One-Touch Recording.

STANDBY/ON ⏻ To switch off or on, interrupt menu function.

0..9 Press to select channels at TVCR.

SLEEP To select the switch-off time in 30 minutes intervals.

SYSTEM Doesn't work on this model. (14PV385/01, 07)
To change the Video (colour) system. (14PV385/39)

STATUS/EXIT To access or remove the TVCR's on-screen status display. To exit on-screen menus.

CLEAR To delete last entry. To clear a programmed recording (TIMER). To reset the elapsed time counter in the playback, recording or stop mode.

STILL ⏭ To stop the tape and play back a picture step by step. (except for during fast forwarding and fast rewinding)

MENU To call up main menu of TVCR.

FWD ▶▷- ▶ When tape playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen. To store or confirm entry in the menu. Press to adjust the controls of TVCR menu.

REW ◁◀- ◀ When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen.To return the cursor in the menu. Press to adjust the controls of TVCR menu.

PLAY ▶- ▲ To play back a tape, select an item in the menu of TVCR.

STOP ■- ▼ To stop the tape, select an item in the menu of TVCR.

VOL ◿+ VOL ◿− To adjust the volume.

PROG P+ PROG P– To select the programme number. During playback, press to adjust the tracking.

SV/V+ **Red button /** To programme recordings with SHOW VIEW / VIDEO Plus+® or to alter / clear programmed TIMER recordings. Select Teletext function when you are in Teletext mode.

SMART PICTURE **Green button /** To call up preset picture settings.Select Teletext function when you are in Teletext mode.

Yellow button/ Select Teletext function when you are in Teletext mode.

INDEX **Blue button /** Search for the previous/next recording code on the tape in combination with REW ◁◀- ◀ / FWD ▶▷- ▶. Select Teletext function when you are in Teletext mode.

MUTE To eliminate the TV's sound. Press again to restore the volume.

- : Switch Teletext on or off, or transparent mode
- : Enlarge font
- : Select Teletext sub-page
- : Recall hidden information
- : Stop page changes
- : Go back to start page

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Front of your TVCR

STANDBY/ON: To switch off or on, interrupt menu function.

Volume: In connection with the button + − to adjust the volume.

P- Programme number minus: previous programme number

P+ Programme number plus: next programme number

Record: To record the programme currently selected.

Playback: To play a recorded cassette.

Pause/Stop, eject cassette: To stop the tape; If this key is depressed while in STOP, the cassette is then ejected from the machine.

When tape playback is stopped, press to fast forward the tape at hight speed.

When tape playback is stoped, press to rewind the tape at hight speed.

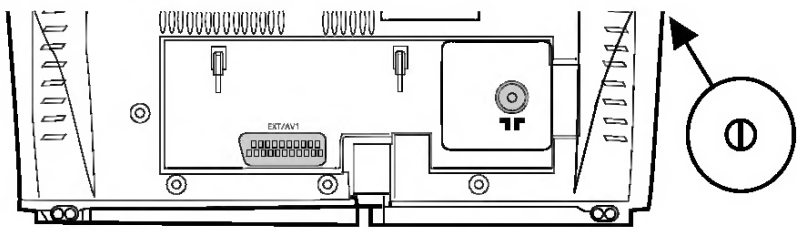
Sockets on the front:

White socket / AUDIO input socket: To connect a camcorder or a video game machine (audio).

Yellow socket / VIDEO input socket: To connect a camcorder or a video game machine (video).

Small socket / socket for headphones: To connect headphones.

Back of your TVCR



Aerial input socket: To connect the aerial cable.

EXT1/AV Scart socket : To connect a satellite receiver, decoder, video recorder, etc

Power switch: To switch the TVCR off.

Caution: If you switch off using the power switch, TIMER-recordings are impossible!

The control lights on the front of machine

STANDBY ◉ Standby light: lights up when the TVCR has been switched on by means of the main switch.

RECORD ◉ Recording light: lights up during recording.

FAST blink: RECORDING PAUSE; TIMER RECORDING NOT STAND-BY.

SLOW blink: TIMER RECORDING is stored in a timer block.

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CABINET DISASSEMBLY INSTRUCTIONS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Comparison Chart of Models and Marks

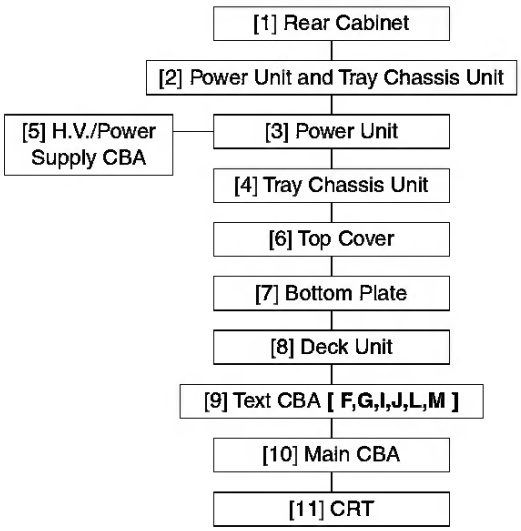
Model	Mark
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.

Caution !!

When removing the CRT, be sure to discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.



2. Disassembly Method

ID/ LOC. No.	PART	REMOVAL		
		Fig. No.	REMOVE/ *UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOL-DER	Note
[1]	Rear Cabinet	1,2,5	4(S-1), 2(S-2), *CN804	1
[2]	Power Unit and Tray Chassis Unit	3,4,5	Anode Cap, *CN501, *CN551, *CN601, CRT CBA	2
[3]	Power Unit	3,5	*CN502, *CN552, *CN602	3
[4]	Tray Chassis Unit	3	----------	-
[5]	H.V./Power Supply CBA	3	6(S-3)	4
[6]	Top Cover	3	5(S-4), CL604	5
[7]	Bottom Plate	3	(S-5)	6
[8]	Deck Unit	3, 5	7(S-6), (S-7), (S-8), Desolder *(CN201, CL401, CL402, CL403)	7
[9]	Text CBA -- [F,G,I,J,L, M]	3, 5	(S-9), *CN751, *CN752	8
[10]	Main CBA	3	4(S-10)	9
[11]	CRT	4	4(S-11)	10
		↓ (1)	↓ (2)	↓ (3)	↓ (4)	↓ (5)

(1): Order of steps in Procedure. When reassembling, follow the steps in reverse order.These numbers are also used as the identification (location) No. of parts in Figures.

(2): Parts to be removed or installed.

(3): Fig. No. showing Procedure of Part Location.

(4): Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder
2(S-2) = two Screw (S-2)

(5): Refer to the following "Reference Notes in the Table."

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Reference Notes in the Table

1. Removal of the Rear Cabinet.
   Remove four screws (S-1) and two screws (S-2). Disconnect connector CN804 and remove the Rear Cabinet.

Caution !!

Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

2. Removal of the Power Unit and Tray Chassis Unit.
   Discharge the Anode Lead of the CRT with the CRT Ground before removing the Anode Cap.
   Disconnect the following: Anode Cap, CN501, CN551, CN601, and CRT CBA. Then pull the Power Unit and Tray Chassis Unit out backward.
3. Removal of the Power Unit.
   Disconnect connectors CN502, CN552, and CN602. Then slide the Power Unit out.
4. Removal of the H.V./Power Supply CBA.
   Remove six screws (S-3) and pull up the H.V./ Power Supply CBA.
5. Removal of the Top Cover.
   Remove five screws (S-4) and CL604, and remove the Top Cover.
6. Removal of the Bottom Plate.
   Remove a screw (S-5). Then slide the Bottom Plate out front.
7. Removal of the Deck Unit.
   Remove seven screws (S-6), screw (S-7) and screw (S-8). Then, desolder connectors (CN201, CL401, CL402, CL403) and lift up the Deck Unit.
8. Removal of the Text CBA. **[F,G,I,J,L,M]**
   Remove screw (S-9), and disconnect connectors CN751 and CN752. Then, lift the Text CBA up.
9. Removal of the Main CBA.
   Remove four screws (S-10) and pull up the Main CBA.
10. Removal of the CRT.
    Remove four screws (S-11) and pull the CRT backward.

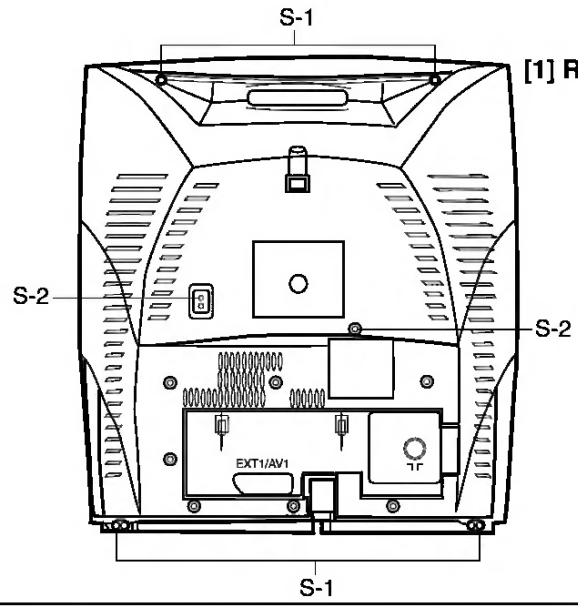

Fig. 1

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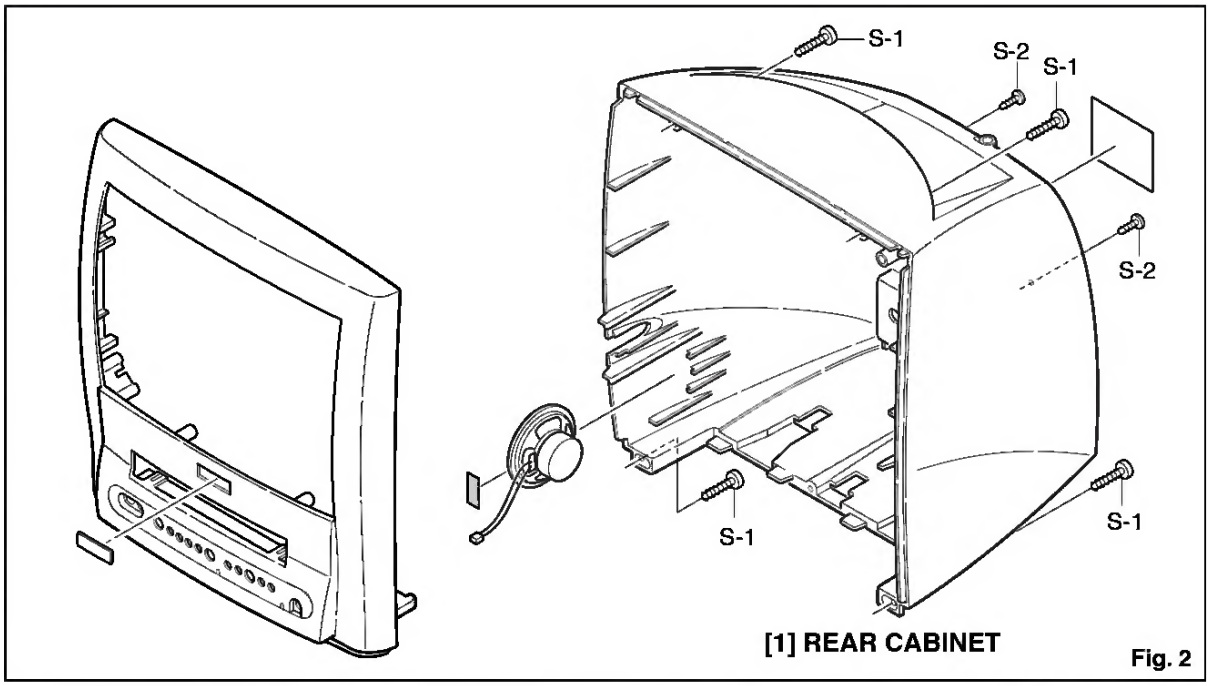

[1] REAR CABINET

Fig. 2

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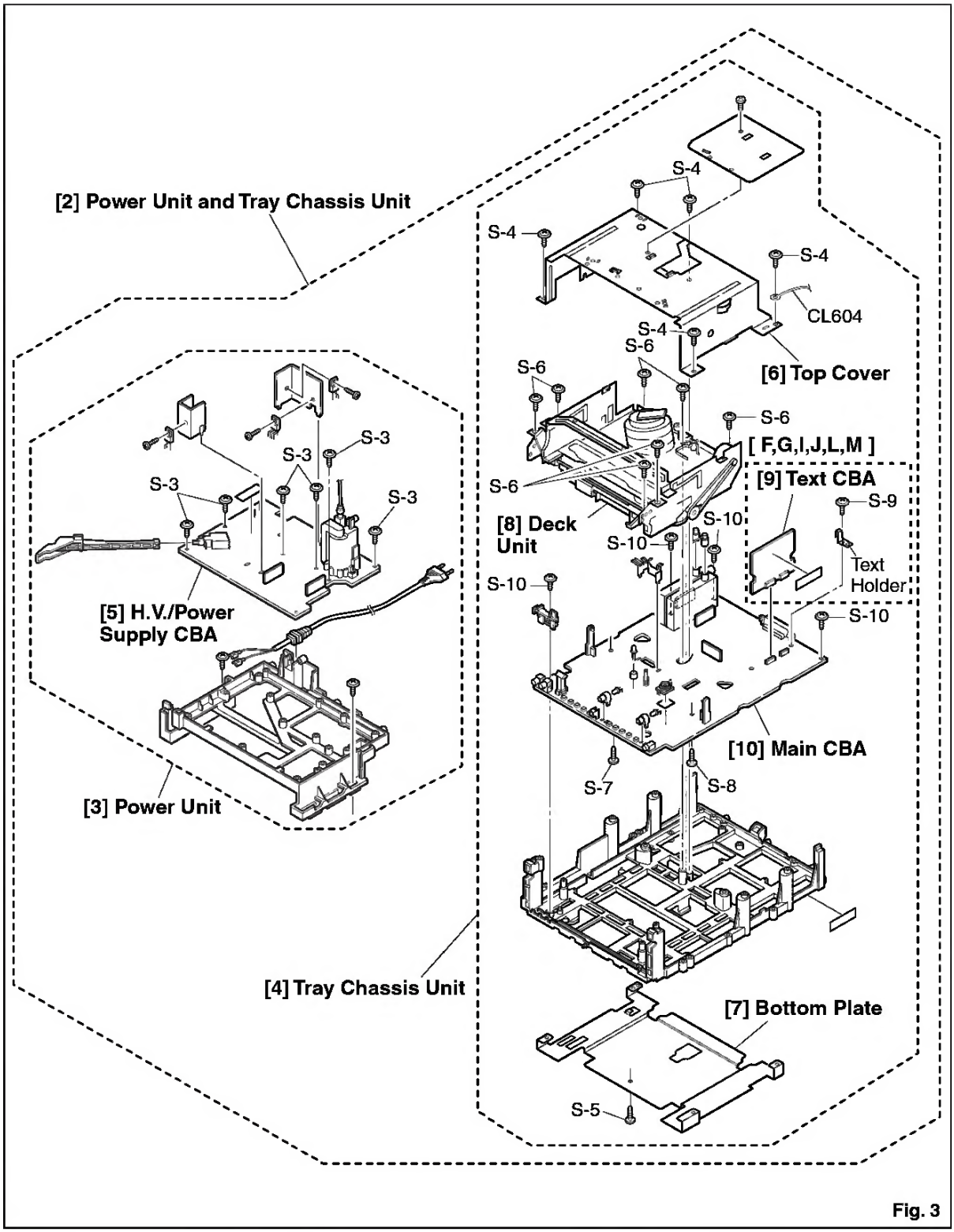

Fig. 3

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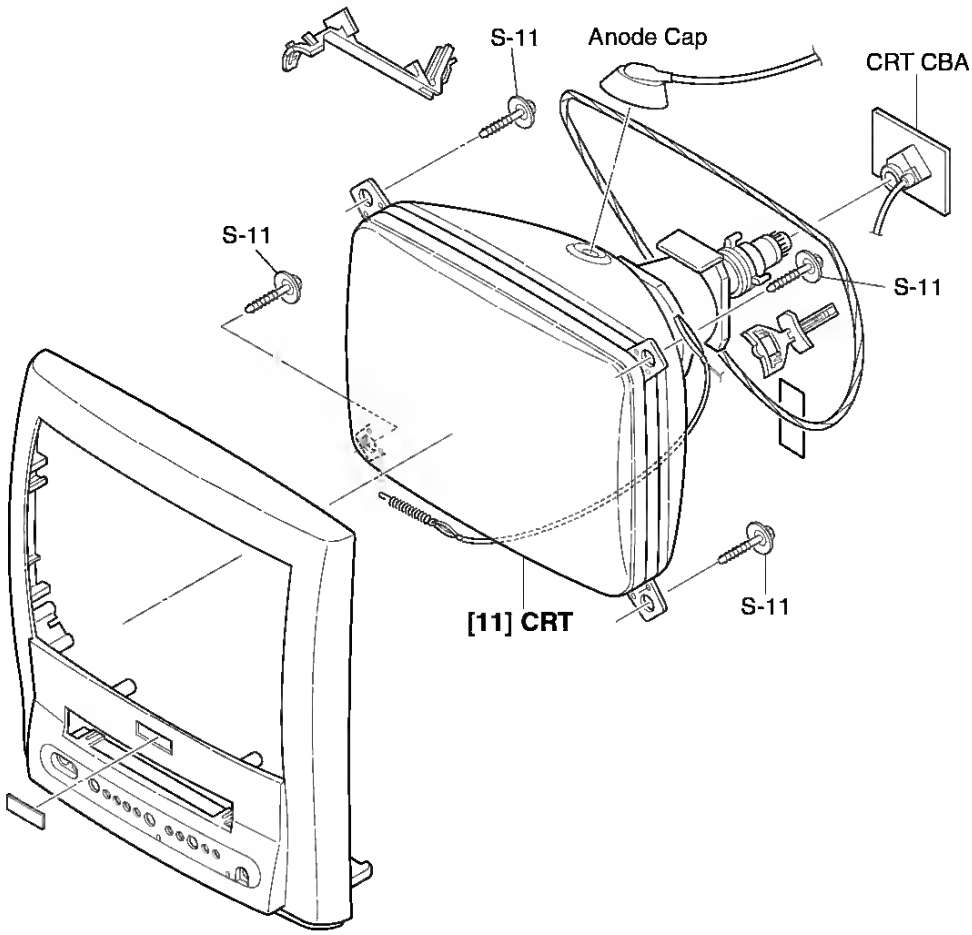

Fig. 4

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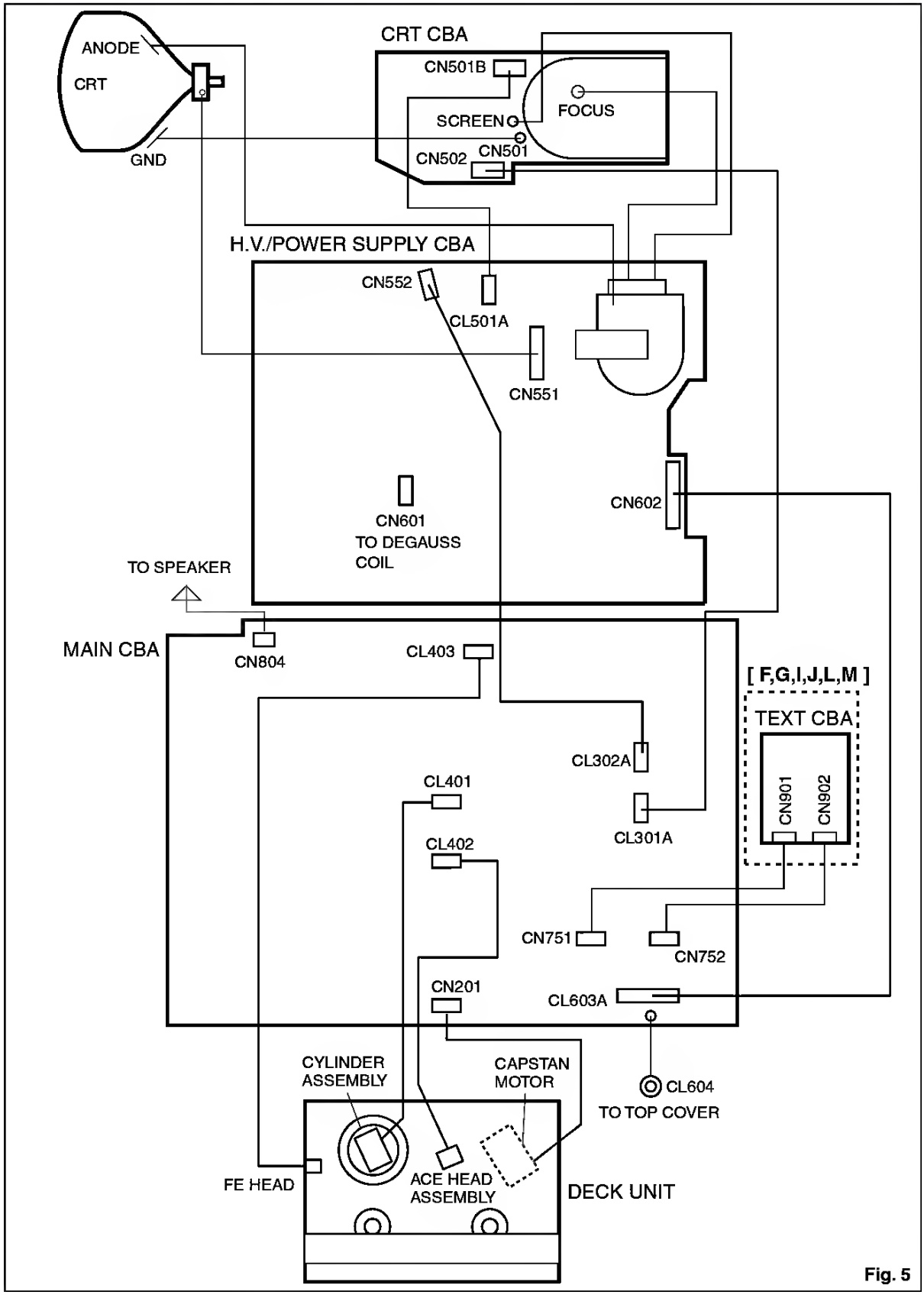

Fig. 5

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ELECTRICAL ADJUSTMENT INSTRUCTIONS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

General Note:

"CBA" is abbreviation for "Circuit Board Assembly."

NOTE:

Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed.
Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

1. PAL Pattern Generator (Color Bar, Monoscope, Black Raster, White Raster, Sympte)
2. SECAM Pattern Generator (Gray Scale)
3. AC Milli Voltmeter (RMS)
4. Alignment Tape (9965 000 14514), Blank Tape (E180)
5. DC Voltmeter
6. Oscilloscope: Dual-trace with 10:1 probe,
   V-Range: 0.001~50V/Div,
   F-Range: DC~AC-60MHz
7. Frequency Counter
8. Plastic Tip Driver
9. RF input (at each broadcasting system)
   Receiving Channel : VHF Low
   Input level : 80dBμV
10. Ext.input
    FRONT VIDEO-IN JACK or REAR SCART JACK

How to Set up the Service mode:

NOTE:

After replacing the IC202 (Memory) or Main CBA, the set value in IC202 (Memory) will be lost. So it is necessary to set up or adjust in the Service mode after its replacement.

Service Mode:

1. Turn the power on. (Use main power on the TV unit.)
2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds.

- To cancel the service mode, press [STANDBY/ON] button on the remote control.

How to set up the option code

1. Enter the Service mode.
2. Press the [STATUS/EXIT] button on the remote control unit. The option code appears on the display.
3. If needed, input the option code as shown below using number buttons on the remote control unit.

Model	Option Code
14PV135/01	0130
14PV135/07	0128
14PV135/58	0131
14PV235/01	0178
14PV235/07	0176
14PV235/58	0179
14PV385/01	2994
14PV385/07	2992
14PV385/39	2961

4. To reset the software, press [PAUSE] and [5] buttons on the remote control unit.
   The option code is changed.

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1. DC 105V (+B) Adjustment

Purpose: To obtain correct operation.

Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test point	Adj. Point	Mode	Input
TP503 (+B), TP504 (GND)	VR601	RF (or Ext.)	Color Bar
Tape	M. EQ.	Spec.	
---	DC Voltmeter, Plastic Tip Driver	+105±0.5V DC	

Note: TP503(+B), TP504(GND), VR601 --- H.V./Power Supply CBA

1. Connect the unit to AC Power Outlet. (exact AC230V)
2. Input a color bar signal from RF (or Ext.) input and leave it for at least 20 minutes.
3. Connect DC Volt Meter to TP503(+B) and TP504(GND).
4. Adjust VR601 so that the voltage of TP503(+B) becomes +105±0.5V DC.

2. H Adjustment

Purpose: To get correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test point	Adj. Point	Mode	Input
R590	P+/P- buttons	Ext.	---
Tape	M. EQ.	Spec.	
---	Frequency Counter	15.625kHz±75Hz	

Note: R590 --- H.V./Power Supply CBA

1. Connect Frequency Counter to R590.
2. Set the unit to the Ext. mode and no input is necessary. Enter the Service mode.
(See page 1-6-10.)
3. Operate the unit for at least 20 minutes.
4. Press [2] button on the remote control unit and select H-Adj Mode.
5. Press [P+/P-] buttons on the remote control unit so that the display will change [0] to [7.]
At this moment, choose display [0] to [7] when the Frequency counter display is closest to 15.625kHz±75Hz.
6. Turn the power off and on again.

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3. C-Trap Adjustment

Purpose: To get minimum leakage of the color signal carrier.

Symptom of Misadjustment: If C-Trap Adjustment is incorrect, stripes will appear on the screen.

Test point	Adj. Point	Mode	Input
J349F3 (B-OUT)	P+/P- buttons	RF (or Ext.)	Color Bar
Tape	M. EQ.	Spec.	
---	Oscilloscope, Pattern Generator	200mVp-p Max.	
Figure			

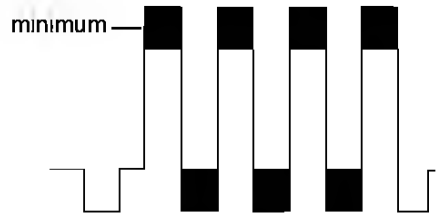

Fig. 1

Note: J349F3 (B-Out)--- Main CBA

1. Connect Oscilloscope to J349F3.
2. Input a color bar signal from RF (or Ext.) input. Enter the Service mode. (See page 1-6-10.)
3. Press [0] button on the remote control unit and select C-TRAP Mode.
4. Press [P+/P-] buttons on the remote control unit so that the carrier leakage B-Out (4.43MHz) value becomes minimum on the oscilloscope.
5. Turn the power off and on again.

4. How to measure the standard V-ENV value of Digital Studio Picture Control

Purpose: To set the recording condition appropriate for the recording tape.

Symptom of Misadjustment: Recording or playing back picture quality may fall. The picture will be tinted.

1. Insert a new tape (type: E180) for the DSPC alignment into the TV/VCR.
2. Input the black raster signal from the video input jack (VIDEO-IN).
3. Enter the Service Mode. (See page 1-6-10.)
4. To enter the DSPC mode, press [1] button on the remote control unit. Recording starts automatically and "DSPC" appears on the display.

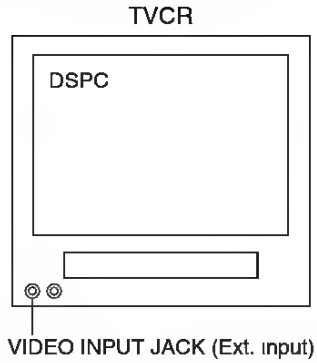

Fig. 2

5. Recording continues for 10 seconds in SP mode. **Note:** Since the reference value of LP V-ENV is computed from the reference value of SP V-ENV, there is no need to survey it.
6. The tape is rewinded to the recording start point.
7. The unit enters the play mode automatically and the V-ENV levels of each the reference value of SP mode and the computing value of LP mode are memorized into the EEPROM.
8. "OK" or "NG" appears on upper left corner of the screen with blueback.
   In case of "OK": "OK" (green) is indicated without ejecting tape.
   In case of "NG": "NG" (red) is indicated with ejecting tape.

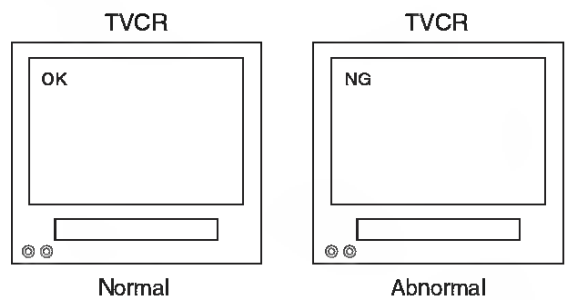

Fig. 3

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5. SECAM Black Level Adjustment

Purpose: To set Black Level of the SECAM signal R-Y/B-Y to Ref. level.

Symptom of Misadjustment: If Black Level of the SECAM signal R-Y/B-Y is incorrect, the picture is bluish or reddish in grayscale compared with PAL signal.

Test point	Adj. Point	Mode	Input
J361G4	P+/P- buttons	Ext.	SECAM Gray Scale
Tape	M. EQ.	Spec.	
---	Pattern Generator, Analog Oscilloscope (unusable Digital Oscilloscope)	---	

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Input the SECAM Gray Scale signal from Ext. input.
3. Enter the Service Mode. (See page 1-6-10.)
4. To enter the C/D/S mode, press [◿ -] on the remote control unit.
5. To select SBR (SECAM Black Level R-Y), press [6] button on the remote control unit.
6. Press [P+/P-] buttons to adjust Y signal to the black ref. level.
7. To select SBB (SECAM Black Level B-Y), press [7] button on the remote control unit.
8. Press [P+/P-] buttons to adjust Y signal to the black ref. level.

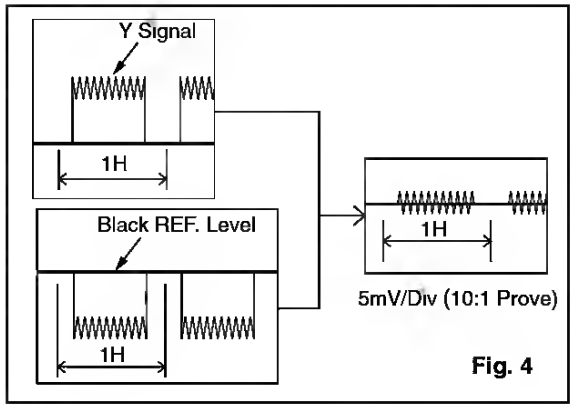

Fig. 4

6. V. Size Adjustment

Purpose: To obtain correct vertical height of screen image.

Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	RF (or Ext.)	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	90±5%	

1. Enter the Service mode. (See page 1-6-10.)
   Press [9] button on the remote control unit and select V-S Mode. (Press [9] button then display will change to V-P and V-S).
2. Input monoscope pattern and leave it for at least 20 minutes.
3. Press [P+/P-] buttons on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

7. V. Shift Adjustment

Purpose: To obtain correct vertical position of screen image.

Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	RF (or Ext.)	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	90±5%	

1. Enter the Service mode. (See page 1-6-10.)
   Press [9] button on the remote control unit and select V-P Mode. (Press [9] button then display will change to V-P and V-S).
2. Input monoscope pattern and leave it for at least 20 minutes.
3. Press [P+/P-] buttons on the remote control unit so that the top and bottom of the monoscope pattern are equal to each other.

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8. H. Shift Adjustment

Purpose: To obtain correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	RF (or Ext.)	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	90±5%	

1. Enter the Service mode. (See page 1-6-10.)
   Press [8] button on the remote control unit and select H-P Mode.
2. Input monoscope pattern and leave it for at least 20 minutes.
3. Press [P+/P-] buttons on the remote control unit so that the left and right side of the monoscope pattern are equal to each other.
4. Turn the power off and on again.

9. Cut-off Adjustment

Purpose: To adjust the beam current of R, G, B, and screen voltage.

Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Test point	Adj. Point	Mode	Input
Screen	Screen-Control, P+/P-buttons	RF (or Ext.)	Black Raster
Tape	M. EQ.	Spec.	
---	Pattern Generator	See Reference Notes below	

Notes:
Screen Control (FBT) --- H.V./Power Supply CBA
FBT= Fly Back Transformer
Use the Remote Control Unit

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Set the screen control to minimum position. Input the Black raster signal from RF (or Ext.) input.
3. Enter the Service Mode. (See page 1-6-10.)
   Dimmed horizontal line appears on the CRT.
4. To enter the C/D/S mode, press the [◿ -] button on the remote control unit.
5. To enter the CUT OFF (R) mode, press [1] button on the remote control unit.
6. Turn the screen control up until dimmed horizontal line appears.
7. Press the [P+/P-] buttons until the horizontal line becomes white.
8. To enter the CUT OFF (G) mode, press [2] button on the remote control unit.
9. Press the [P+/P-] buttons until the horizontal line becomes white.
10. To enter the CUT OFF (B) mode, press [3] button on the remote control unit.
11. Press the [P+/P-] buttons until the horizontal line becomes white.
12. Turn the screen control so that the horizontal line adjusted white looks lightly.
13. Turn the power off and on again.

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10. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

Test point	Adj. Point	Mode	Input
Screen	Screen-Control, P+/P-buttons	RF (or Ext.)	White Raster (APL 100%)
Tape	M. EQ.	Spec.	
---	Pattern Generator, Color analyzer	See below	
Figure			

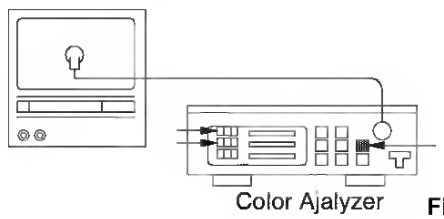

Fig. 5

Note: Use remote control unit

1. Operate the unit more than 20 minutes.
2. Face the unit to east. Degauss the CRT using Degaussing Coil.
3. Input the White Raster (APL 100%).
4. Set the color analyzer to the CHROMA mode and after zero point calibration, bring the optical receptor to the center on the tube surface (CRT).
5. Enter the Service mode. Press [◿ -] button on the remote control.
6. Press [4] button on the remote control unit for Red adjustment. Press [5] button on the remote control unit for Blue adjustment.
7. In each color mode, Press [P+/P-] buttons to adjust the values of color.
8. Adjusting Red and Blue color so that the temperature becomes 8500K (x : 290 / y : 300) ±3%.
9. At this time, Re-check that Horizontal line is white. If not, Re-adjust Cut-off Adjustment until the Horizontal Line becomes pure white.
10. Turn off and on again to return to normal mode. Receive APL 100% white signal and Check Chroma temperatures become 8500K (x : 290 / y : 300) ±3%.

Note: Confirm that Cut Off Adj. is correct after this adjustment, and attempt Cut Off Adj. if needed.

11. Sub-Brightness Adjustment

Purpose: To get proper brightness.

Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

Test point	Adj. Point	Mode	Input
Screen	P+/P-buttons	RF (or Ext.)	SYMPTE
Tape	M. EQ.	Spec.	
---	Pattern Generator	See below	
Figure			

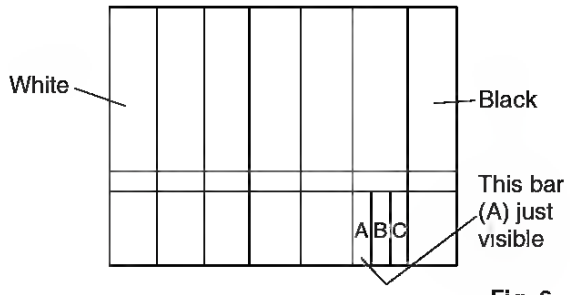

Fig. 6

Note: Bar (A) in Fig. 7 --- 0 IRE

1. Enter the Service Mode. (See page 1-6-10.) Then input SYMPTE signal from RF (or Ext.) input and leave it for at least 20 minutes.
2. Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.) Select BRT and press [P+/P-] buttons so that the bar (A) in Fig. 6 is just visible.
3. Turn the power off and on again.

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12. Setting for CONTRAST, COLOR, TINT and SHARP Data Values

General

1. Enter the Service mode. (See page 1-6-10)
2. Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.)

CONTRAST (CNT)

1. Press "MENU" button on the remote control unit. Then select CNT display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "CONTRAST" (CNT) becomes 83.

COLOR (COL)

1. Press "MENU" button on the remote control unit. Then select "COLOR" (COL) display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "COLOR" (COL) becomes 65.

TINT (TNT)

1. Press "MENU" button on the remote control unit. Then select "TINT" (TNT) display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "TINT" (TNT) becomes 68.

SHARP (SHP)

1. Press "MENU" button on the remote control unit. Then select "SHARP" (SHP) display.
2. Press [P+/P-] buttons on the remote control unit and select "1."

13. Focus Adjustment

Purpose: Set the optimum Focus.

Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

Test point	Adj. Point	Mode	Input
Screen	Focus Control	RF (or Ext.)	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	See below.	

Note: Focus VR (FBT) --- H.V./Power Supply CBA

FBT= Fly Back Transformer

1. Operate the unit more than 30 minutes.
2. Face the unit to the East and degauss the CRT using a Degaussing Coil.
3. Input the monoscope pattern.
4. Adjust the Focus Control on the FBT to obtain clear picture.

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14. Head Switching Position Adjustment

Purpose: Determine the Head Switching Position during Playback.

Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (Upper Left Corner).

Manual Adjustment

1. Enter the Service Mode. (See page 1-6-10.)
2. Playback the test tape (9965 000 14514).
3. Press the number [5] button on the remote control unit.
4. The Head Switching position will display on the screen; if adjustment is necessary follow step 4. 7.0H (448µs) is preferable.
5. Press [P+/P-] buttons on the remote control unit if necessary. The value will be changed in 0.5H steps up or down. Adjustable range is up to 9.5H. If the value is beyond adjustable range, the display will change as:
   Lower out of range: 0.0H
   Upper out of range: -.-H
6. Turn the power off and on again.

Auto Adjustment

1. Load the test tape (9965 000 14514) that have been recorded the Head Switching Position Value.
2. Enter the service mode.
3. Press [3] button on the remote control unit in the tape stop mode. The unit playback and adjust the Head Switching Position automatically.
4. The adjusting report appears on upper left corner of the screen with blueback.
   In case of adjusting correctly: the Head Switching Position Value recorded in the test tape (9965 000 14514) is indicated with green.
   In case of adjusting incorrectly: "NG" (red) is indicated with ejecting tape.

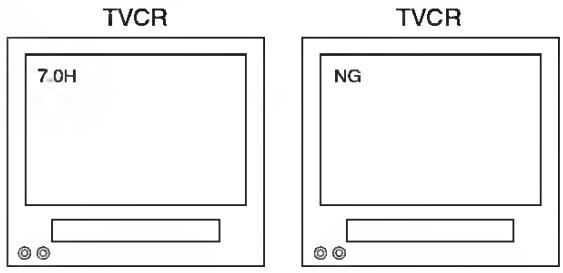

Fig. 7

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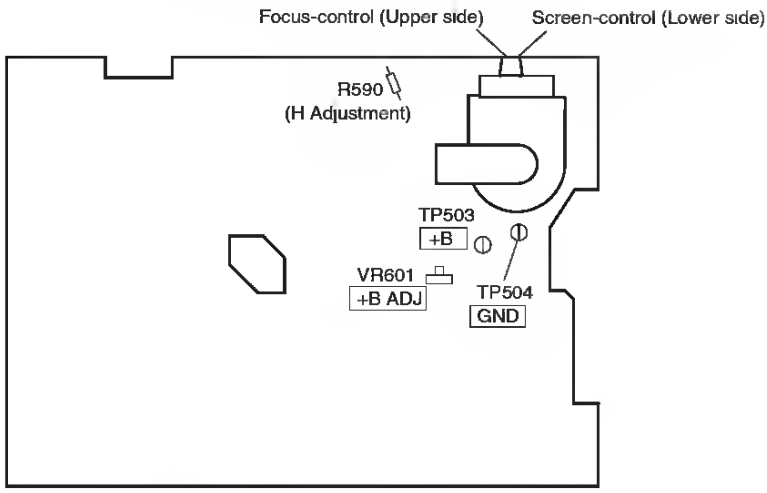
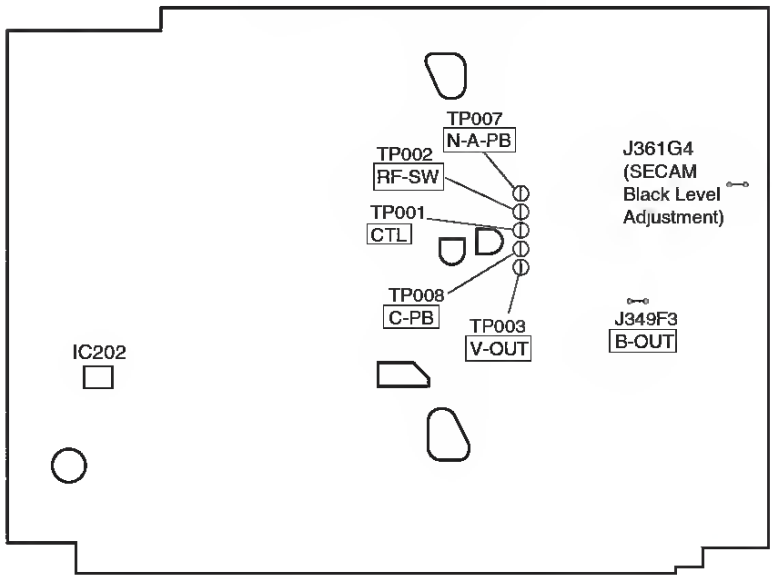
Adjustment Points and Test Points

H.V./Power Supply CBA Top View



Main CBA Top View



TEST POINT INFORMATION

ⓘ: Indicates a test point with a jumper wire across a hole in the PCB.

TEST POINTS NOT USED IN ELECTRICAL ADJUSTMENTS

Test Point	Used in:	Page No.
TP001	Mechanical Alignment Procedures	2-3-3
TP002	Mechanical Alignment Procedures	2-3-3, 2-3-4
TP008	Mechanical Alignment Procedures	2-3-3, 2-3-4
TP503	Electrical Adjustment Instructions	1-6-10
TP504	Electrical Adjustment Instructions	1-6-10

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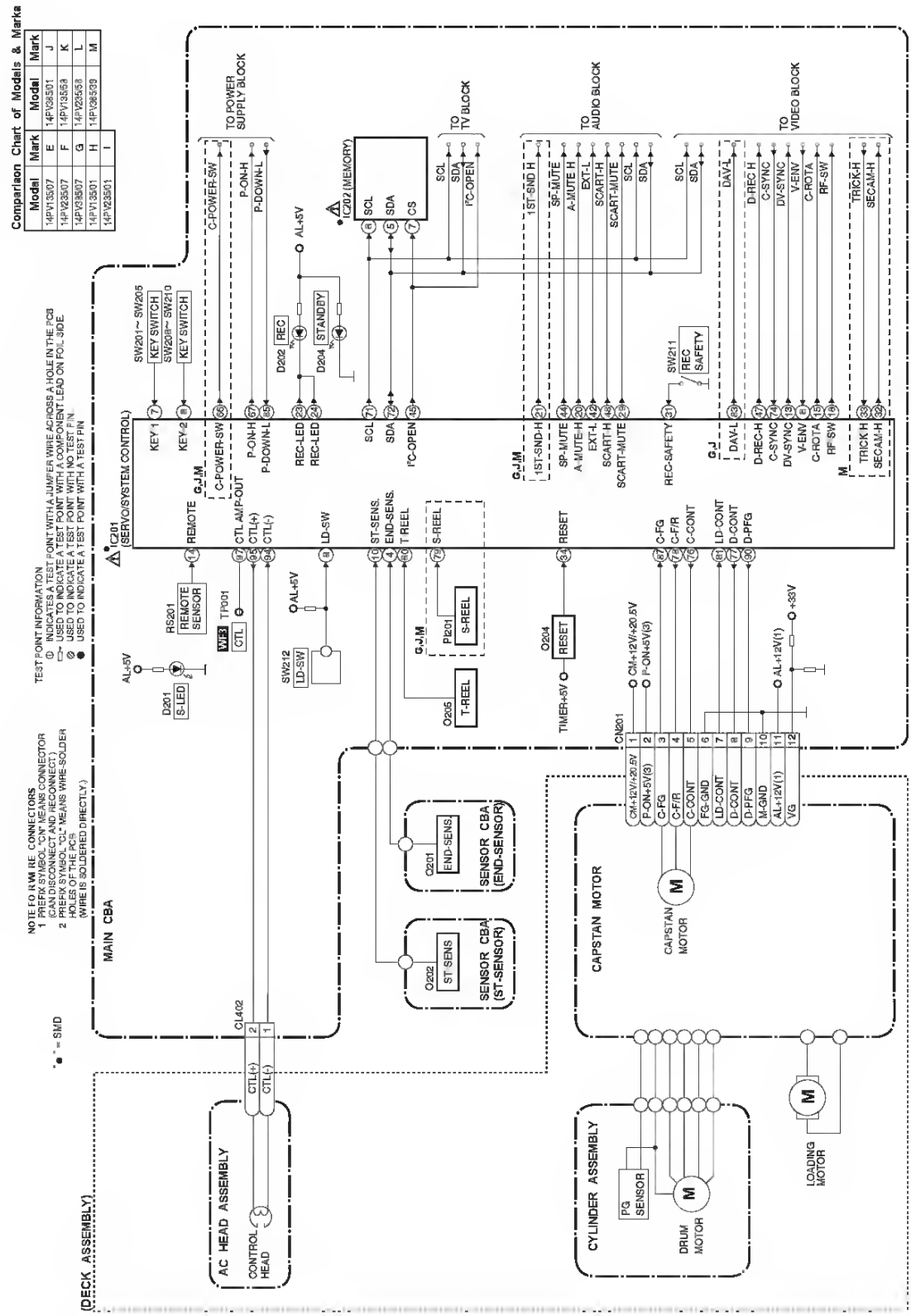
BLOCK DIAGRAMS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Servo/System Control Block Diagram


Comparison Chart of Models & Marks
Model | Mark | Model | Mark
14PV135/07 | E | 14PV385/01 | J
14PV235/07 | F | 14PV135/58 | K
14PV385/07 | G | 14PV235/58 | L
14PV135/01 | H | 14PV385/39 | M
14PV235/01 | I
TEST POINT INFORMATION
INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB
USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE
USED TO INDICATE A TEST POINT WITH NO TEST PIN
USED TO INDICATE A TEST POINT WITH A TEST PIN
NOTE FOR WIRE CONNECTORS
1 PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2 PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB (WIRE IS SOLDERED DIRECTLY)
"●" = SWD
MAIN CBA
IC201 (SERVO/SYSTEM CONTROL)
IC202 (MEMORY)
SW201~ SW205 KEY SWITCH
SW206~ SW210 KEY SWITCH
D202 REC
D204 STANDBY
D201 S-LED
RS201 REMOTE SENSOR
TP001 CTL
SW212 LD-SW
Q205 T-REEL
PL201 S-REEL
Q204 RESET
SW211 REC SAFETY
CN201
CL402
TO POWER SUPPLY BLOCK
TO TV BLOCK
TO AUDIO BLOCK
TO VIDEO BLOCK
SENSOR CBA (END-SENSOR)
Q201 END-SENS
SENSOR CBA (ST-SENSOR)
Q202 ST-SENS
CAPSTAN MOTOR
CAPSTAN MOTOR
(DECK ASSEMBLY)
AC HEAD ASSEMBLY
CONTROL HEAD
CYLINDER ASSEMBLY
PG SENSOR
DRUM MOTOR
LOADING MOTOR

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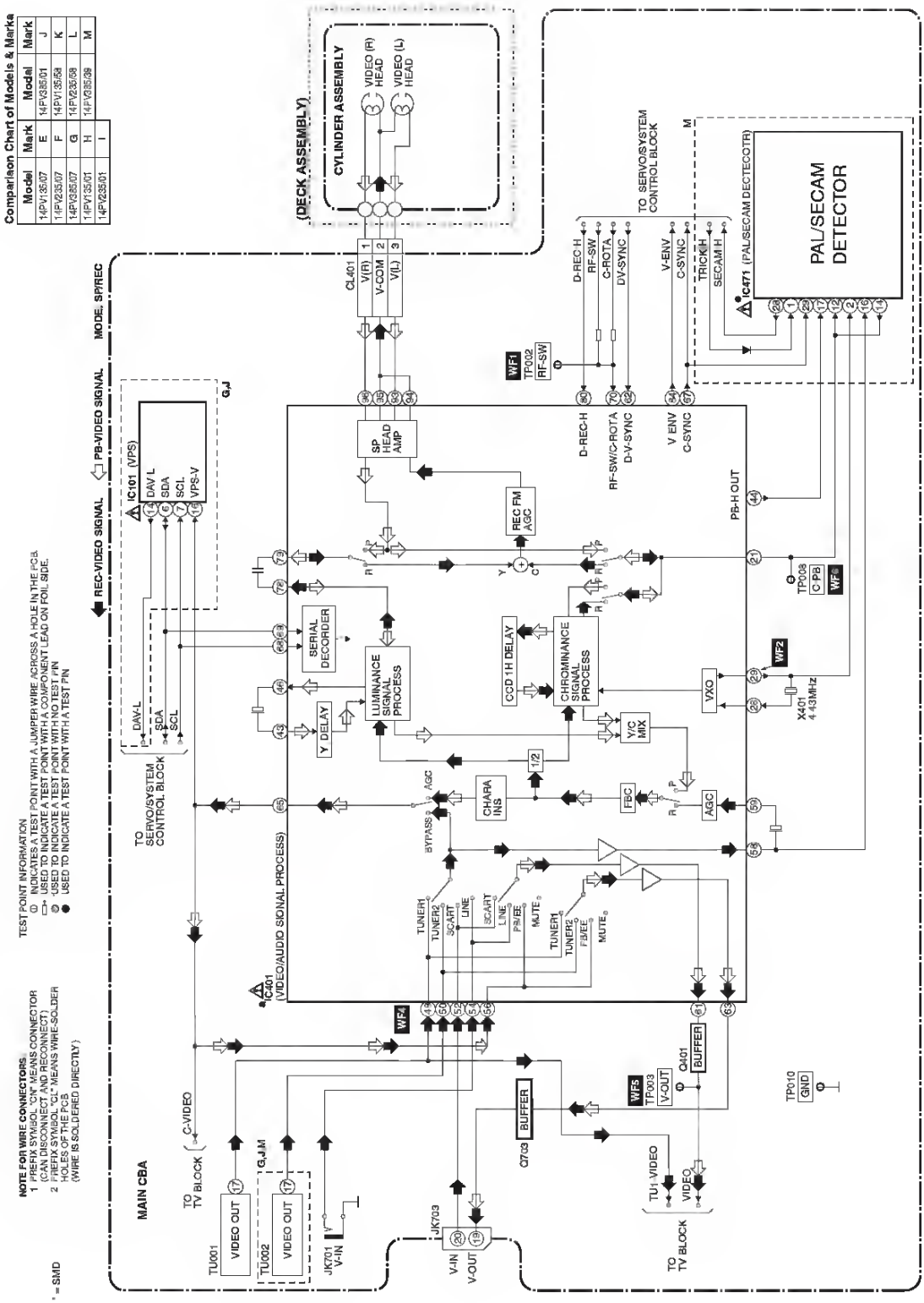
Video Block Diagram



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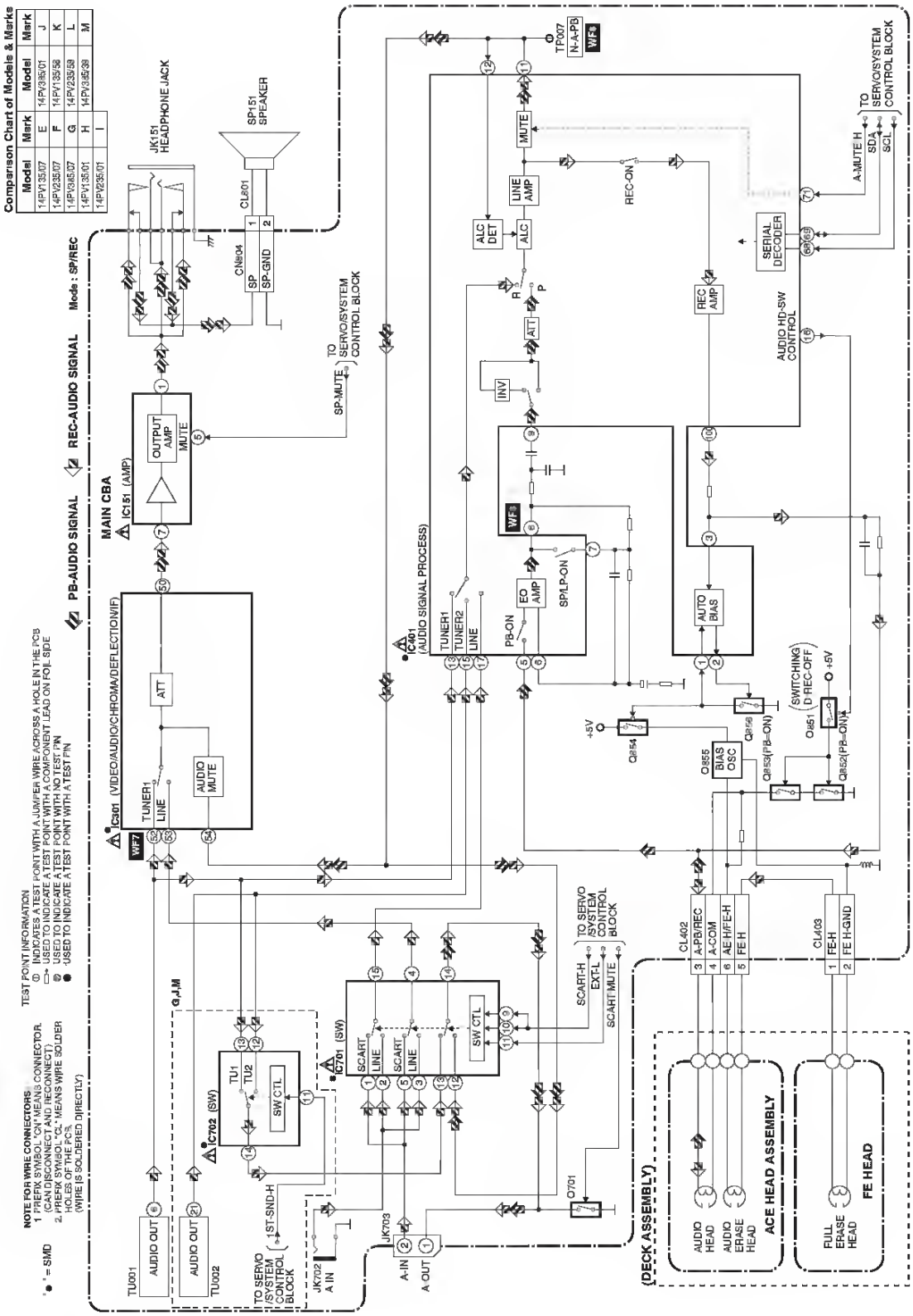
Audio Block Diagram



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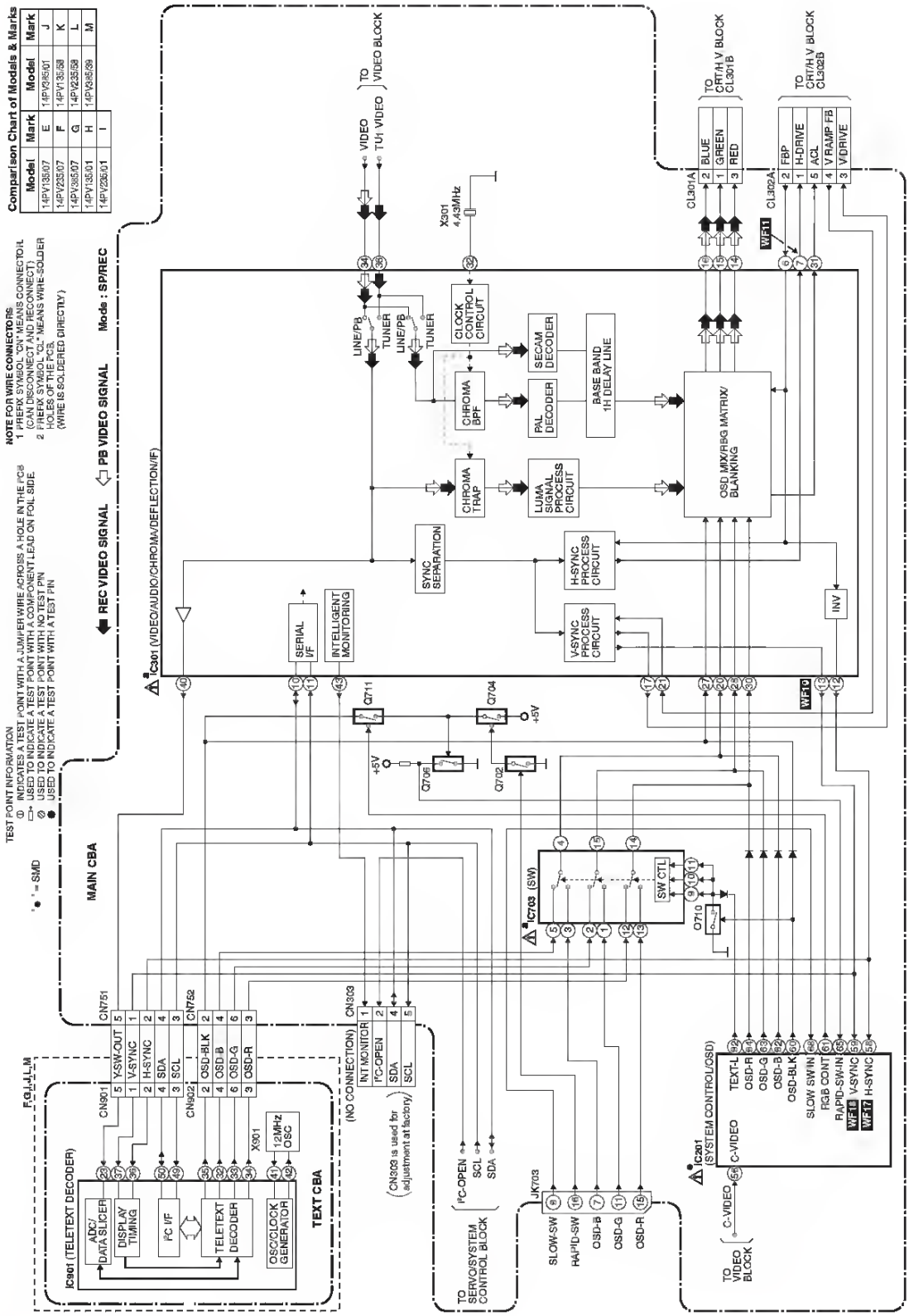
TV Block Diagram



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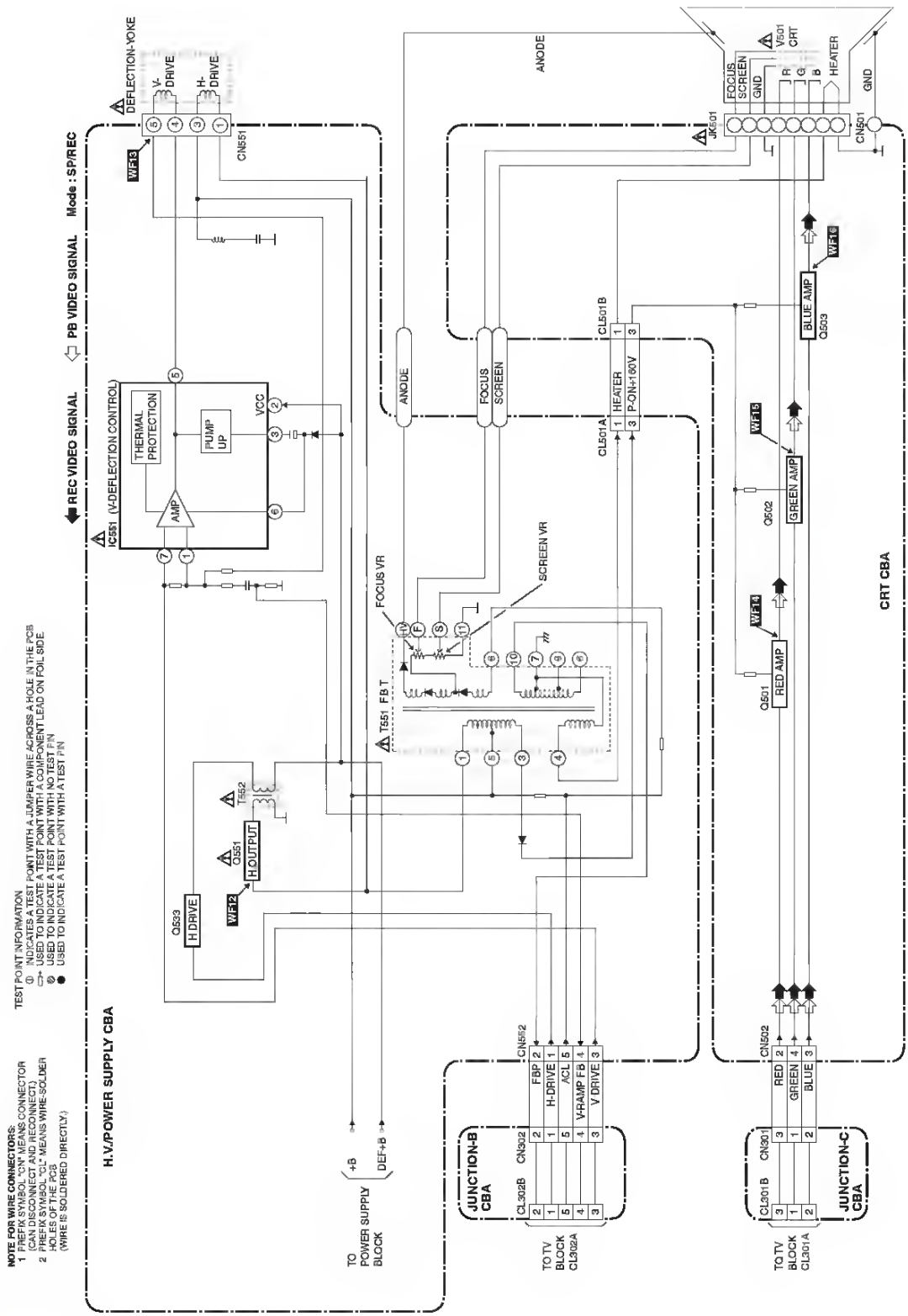
CRT/H.V. Block Diagram



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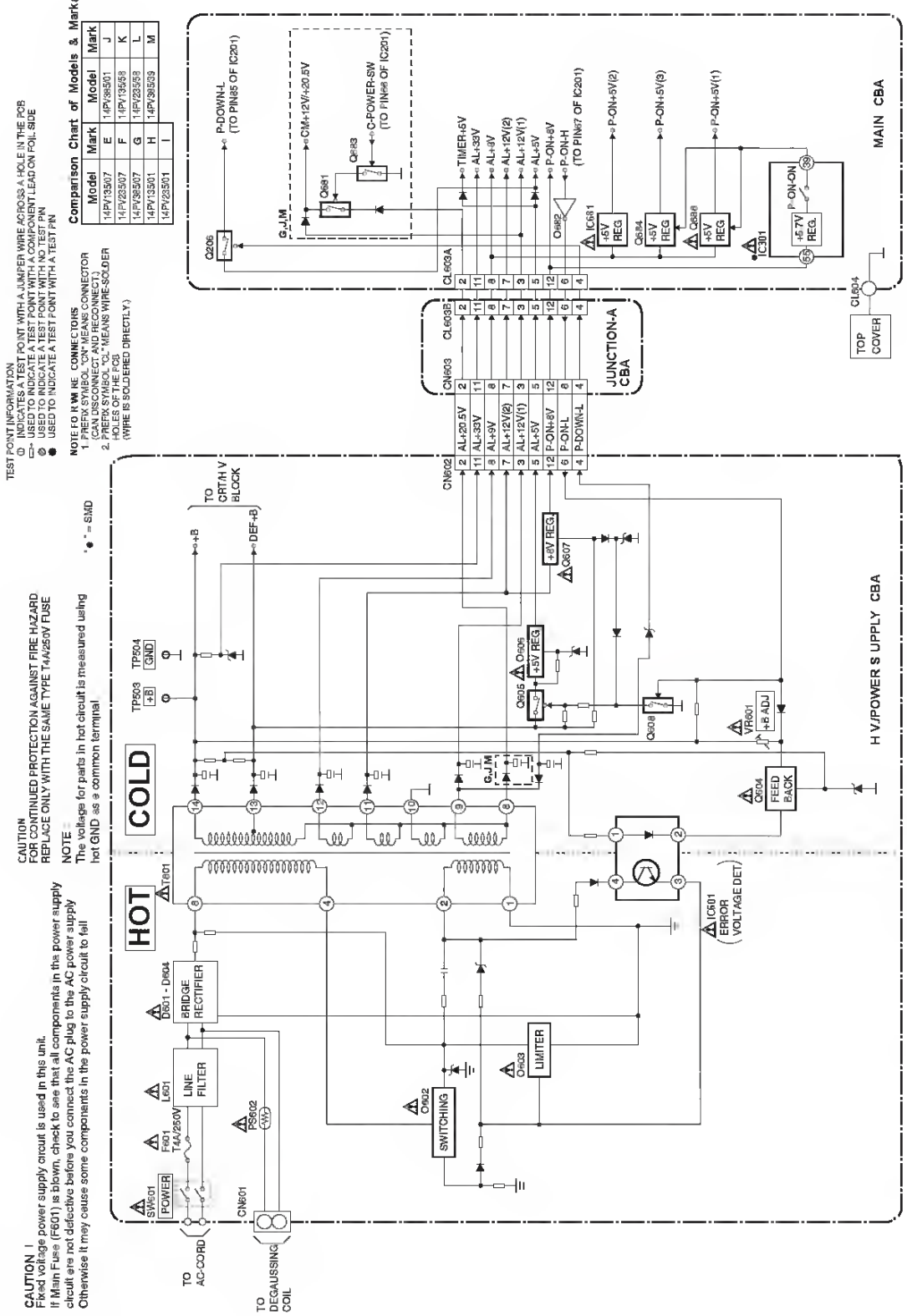
Power Supply Block Diagram



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[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Main 1/5 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CONNECTOR		RESISTORS		RESISTORS	
C203	B-3	CN201	F-4	R220	B-3	R266	D-1
C205	B-3	DIODES		R221	B-3	R267	E-1
C207	B-1	D201	B-3	R222	B-3	R268	E-3
C208	B-1	D202	B-2	R223	B-2	R269	E-3
C209	C-1	D204	B-2	R224	B-2	R270	B-1
C210	C-1	D205	B-1	R226	B-1	R271	B-2
C211	B-1	D206	D-3	R227	B-1	R272	B-3
C212	B-1	D210	D-2	R228	B-1	R273	B-2
C213	B-1	D211	D-2	R229	B-1	R274	B-2
C214	B-1	D212	D-2	R230	B-1	R275	D-2
C217	C-1	D213	A-4	R231	C-1	R276	D-2
C218	C-1	D214	A-4	R232	C-1	R277	D-2
C221	D-2	ICS		R233	C-1	R278	D-2
C222	D-2	IC201	C-3	R234	C-1	R279	D-2
C223	D-2	IC202	D-1	R235	D-2	R280	D-2
C224	D-2	COIL		R236	D-2	R281	C-1
C225	D-2	L201	D-2	R237	D-2	R282	D-2
C226	D-2	TRANSISTORS		R238	D-2	R288	E-1
C227	D-3	Q204	B-1	R239	D-2	R289	E-1
C228	D-3	Q205	D-4	R240	D-2	R884	C-4
C229	D-3	Q206	C-4	R241	D-3	SWITCHES	
C230	E-3	RESISTORS		R242	D-3	SW201	B-4
C231	D-4	R201	B-4	R243	D-3	SW202	A-4
C233	D-4	R202	B-4	R244	D-3	SW203	A-4
C234	D-4	R203	B-3	R248	D-3	SW204	A-4
C235	C-4	R204	B-4	R249	D-3	SW205	A-4
C236	C-4	R205	B-3	R250	D-4	SW206	B-4
C237	C-4	R206	B-3	R251	E-4	SW207	A-4
C238	C-4	R207	B-4	R252	E-4	SW208	A-4
C239	C-4	R208	B-4	R254	C-4	SW209	A-4
C240	C-4	R209	A-4	R255	C-4	SW210	A-4
C241	C-4	R210	A-4	R256	C-4	SW211	B-1
C242	D-4	R211	A-4	R257	B-3	SW212	A-4
C243	D-4	R212	A-4	R258	B-4	TEST POINT	
C244	C-4	R213	B-4	R259	B-4	TP001	C-4
C245	C-4	R214	B-4	R260	A-4	CRYSTAL OSCILATORS	
C248	B-1	R215	A-4	R261	A-4	X201	C-1
C253	B-2	R216	A-4	R262	A-4	X202	C-1
C254	C-4	R217	A-4	R263	A-4	MISCELLANEOUS	
C255	C-4	R218	B-3	R264	A-4	PI201	D-4
C256	C-1	R219	B-3	R265	D-1	RS201	B-1

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Main 1/5 Schematic Diagram

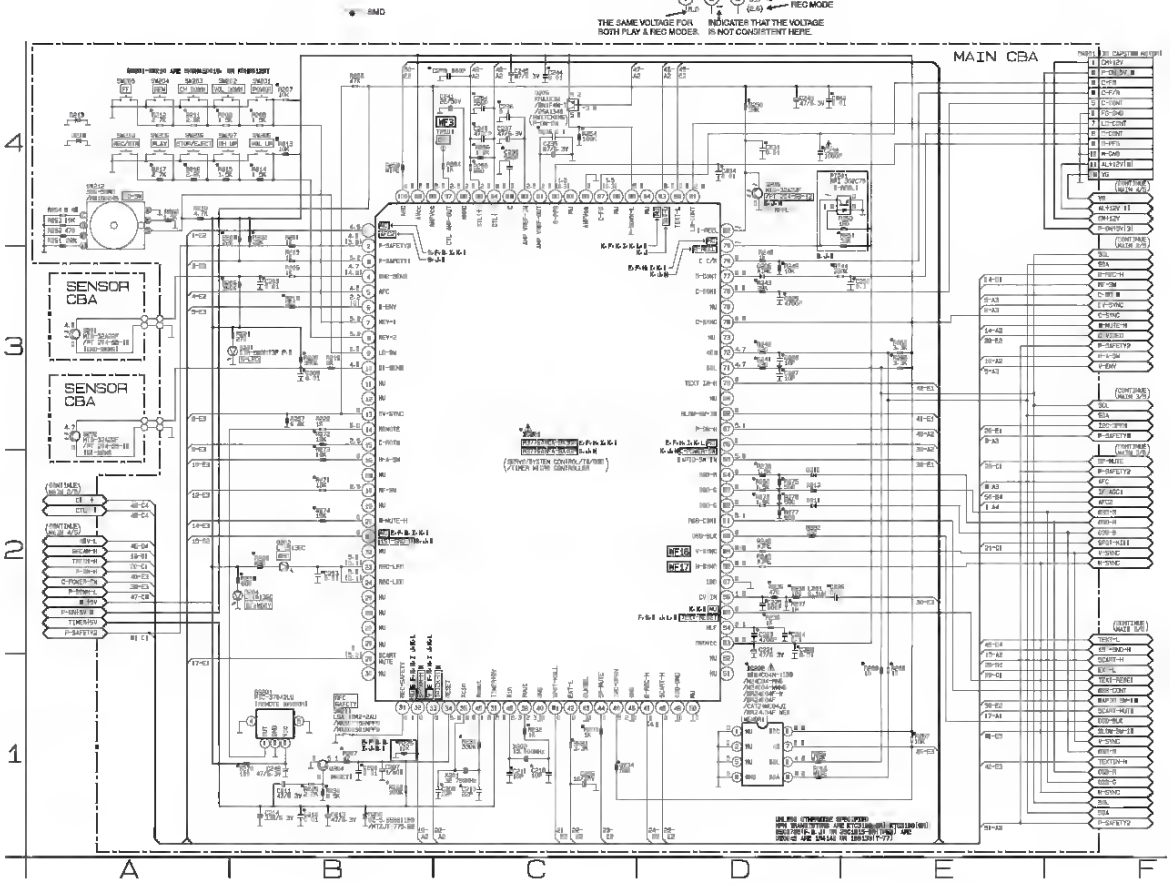
Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:

(1) (2) (3) ← PLAY MODE / REC MODE

THE SAME VOLTAGE FOR BOTH PLAY & REC MODES. — INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.

Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV365/07	G
14PV135/01	H
14PV235/01	I
14PV365/01	J
14PV135/58	K
14PV235/58	L
14PV365/39	M



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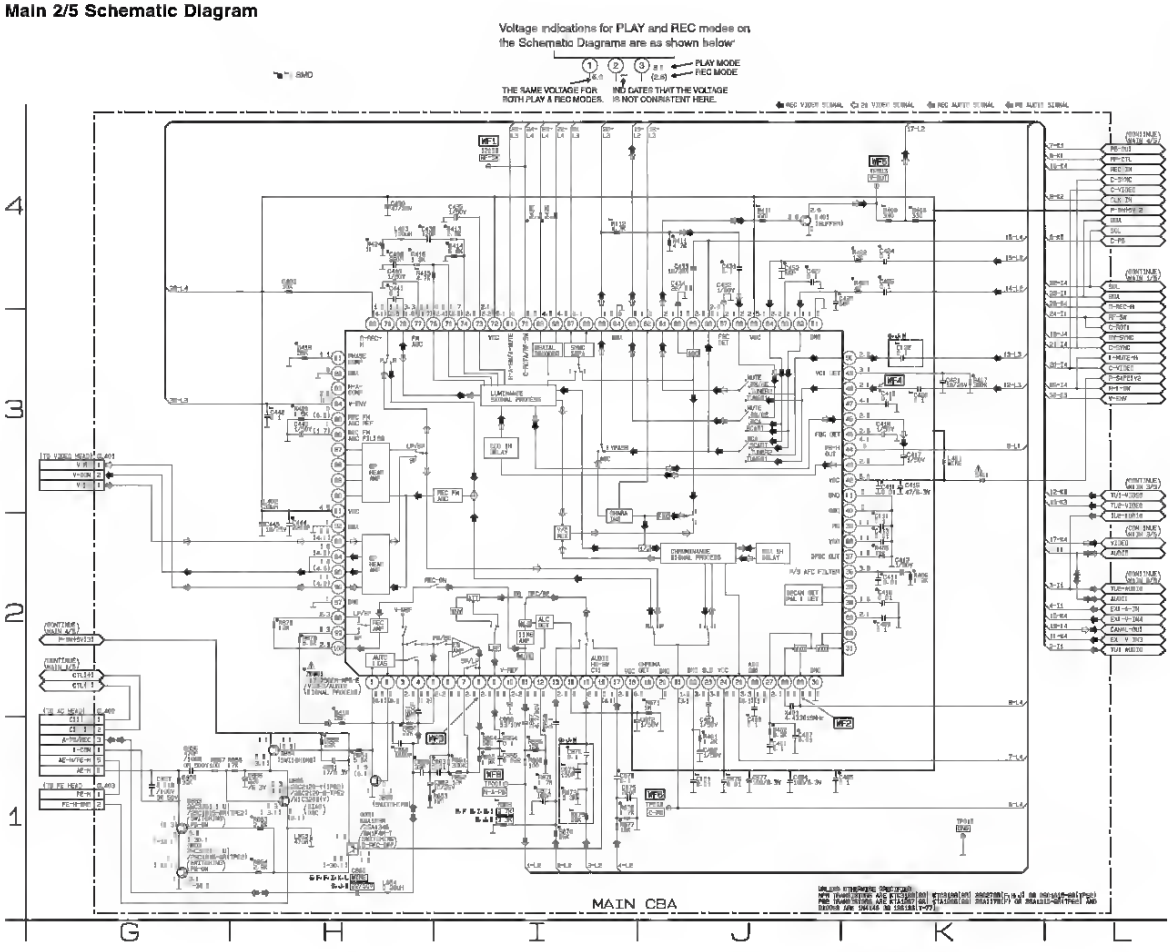
Main 2/5 Schematic Diagram



Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M

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Main 2/5 Schematic Diagram Parts Location Guide

Ref No.	Position
CAPACITORS	
C401	J-1
C402	J-1
C403	J-1
C404	J-1
C405	J-1
C406	J-1
C407	J-1
C408	J-1
C409	K-2
C410	K-2
C411	K-2
C412	K-2
C413	K-2
C414	K-2
C415	K-3
C416	K-3
C417	K-3
C418	K-3
C419	K-3
C420	K-3
C421	K-3
C422	K-3
C424	K-4
C425	J-4
C426	K-4
C427	J-4
C430	H-4
C431	J-4
C432	J-4
C433	J-4
C434	J-4
C435	I-4
C436	H-4
C438	H-4
C440	H-4
C441	H-4
C442	H-3
C443	H-3
C444	H-2

Ref No.	Position
CAPACITORS	
C445	H-2
C452	J-4
C851	H-1
C855	H-1
C856	G-1
C857	G-1
C858	H-1
C859	H-1
C860	H-1
C861	H-2
C862	H-1
C863	I-1
C864	I-1
C865	I-1
C866	I-1
C867	I-1
C869	I-1
C870	I-1
C871	I-1
C872	J-1
C873	I-1
C874	I-1
C875	I-1
C876	J-1
C877	J-1
CONNECTORS	
CL401	G-3
CL402	G-2
CL403	G-1
DIODES	
D401	K-3
D402	H-4
IC	
IC401	H-2
COILS	
L401	K-3
L402	H-3
L403	H-4
L852	H-1

Ref No.	Position
COILS	
L854	H-1
TRANSISTORS	
Q401	J-4
Q851	H-1
Q852	G-1
Q853	G-1
Q854	H-1
Q855	H-1
Q856	H-1
RESISTORS	
R401	J-1
R402	J-1
R405	K-2
R406	K-2
R407	K-3
R408	K-4
R409	K-4
R410	J-4
R411	J-4
R412	I-4
R413	I-4
R414	I-4
R415	H-4
R416	H-4
R418	H-3
R420	H-3
R422	K-4
R423	K-4
R424	H-4
R425	I-4
R426	I-4
R851	H-1
R852	H-1
R853	H-1
R854	H-1
R856	H-1
R857	G-1
R858	G-1
R859	H-1

Ref No.	Position
RESISTORS	
R860	H-1
R861	I-1
R862	I-1
R863	H-1
R864	I-1
R865	I-1
R866	I-1
R867	I-1
R869	I-1
R870	I-1
R871	J-2
R873	I-1
R874	I-1
R875	I-1
R876	I-1
R877	I-1
R878	H-2
R879	H-2
CRYSTAL OSCILATOR	
X401	J-2
TEST POINTS	
TP002	I-4
TP003	K-4
TP007	I-1
TP008	J-1
TP010	K-1

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Main 3/5 Schematic Diagram Parts Location Guide

Ref No.	Position
CAPACITORS	
C001	R-4
C002	Q-4
C005	Q-3
C006	Q-3
C008	Q-3
C009	R-3
C014	Q-3
C151	O-4
C152	N-4
C154	O-4
C155	P-4
C156	P-4
C157	P-4
C160	P-4
C301	N-1
C302	N-1
C303	N-1
C304	N-1
C305	N-1
C307	O-3
C308	P-2
C309	P-2
C310	P-2
C311	P-2
C312	P-2
C313	P-2
C314	P-2
C315	P-2
C316	P-3
C317	P-3
C318	O-3
C319	P-3
C320	P-3
C321	O-3
C322	O-3
C323	N-3
C324	N-3
C325	N-3
C326	N-3
C327	N-3
C328	N-3
C330	N-2

Ref No.	Position
CAPACITORS	
C331	N-2
C332	N-3
C333	N-2
C334	N-2
C336	P-3
C338	M-3
C340	P-1
C341	N-2
C344	M-3
C350	N-3
CONNECTORS	
CL301A	R-1
CL302A	M-4
CN303	M-3
CN804	M-4
DIODES	
D151	O-4
D152	O-4
D302	O-1
D303	O-1
D304	O-1
D305	P-3
D306	P-2
ICS	
IC151	O-4
IC301	N-1
COILS	
L001	Q-4
L151	N-4
L152	N-4
L302	P-2
L303	P-3
L304	N-1
L305	O-3
RESISTORS	
R003	Q-3
R004	Q-3
R151	M-4
R152	O-4
R153	P-4
R154	P-4
R155	N-4

Ref No.	Position
RESISTORS	
R156	N-4
R157	P-4
R301	N-1
R302	N-1
R303	N-1
R304	O-1
R305	O-1
R306	O-1
R307	O-1
R308	O-1
R309	O-1
R310	P-1
R311	P-3
R312	O-1
R313	P-2
R314	P-2
R315	P-2
R316	P-2
R317	P-3
R318	P-3
R320	O-3
R321	N-3
R322	N-3
R323	N-3
R324	N-3
R325	N-2
R326	N-2
R327	M-2
R332	M-3
R333	M-3
R334	M-3
R335	N-3
R336	O-1
R339	O-1
R340	O-1
CRYSTAL OSCILATOR	
X301	P-3
MISCELLANEOUS	
JK151	M-4
TU001	R-4
TU002	Q-4

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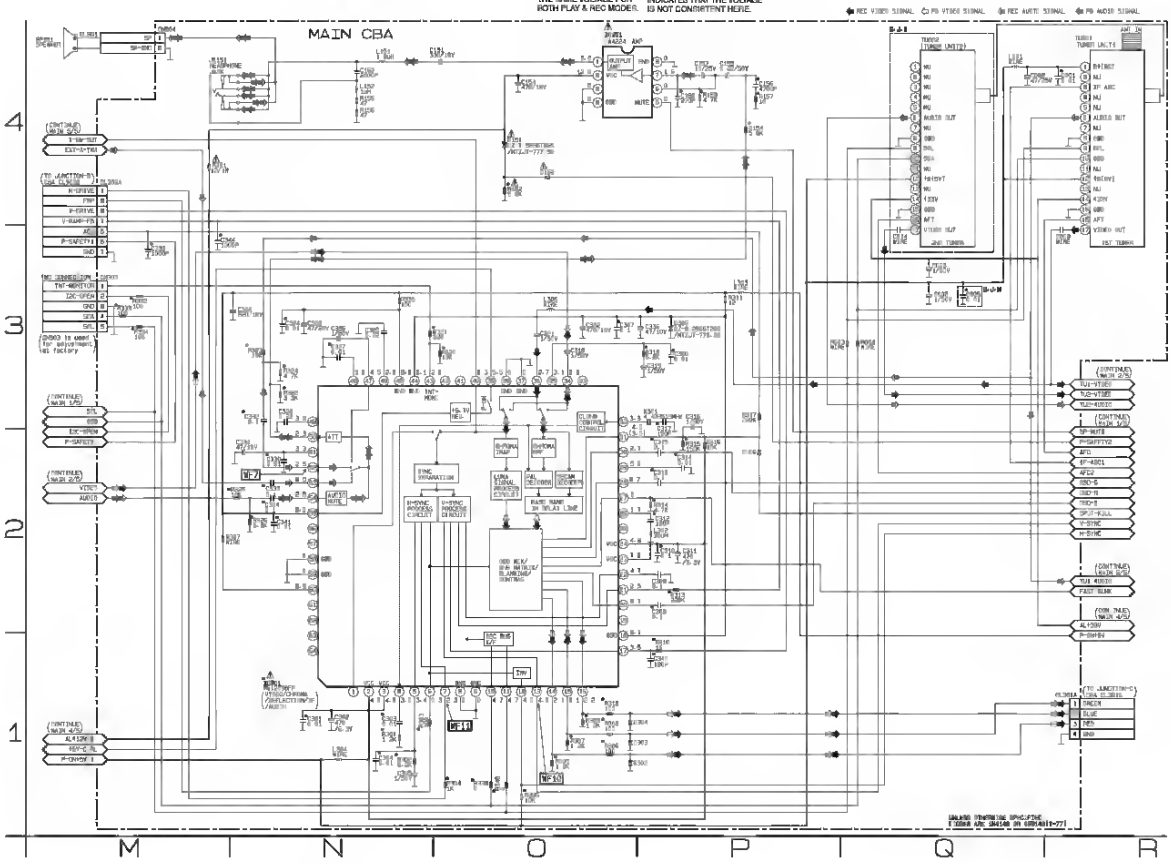
Main 3/5 Schematic Diagram

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below

Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M



1-8-48 1-8-49 T6450SCM3

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Main 4/5 Schematic Diagram

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below.

(1) (2) (3) 5.0 ← PLAY MODE
(2.5) ← REC MODE

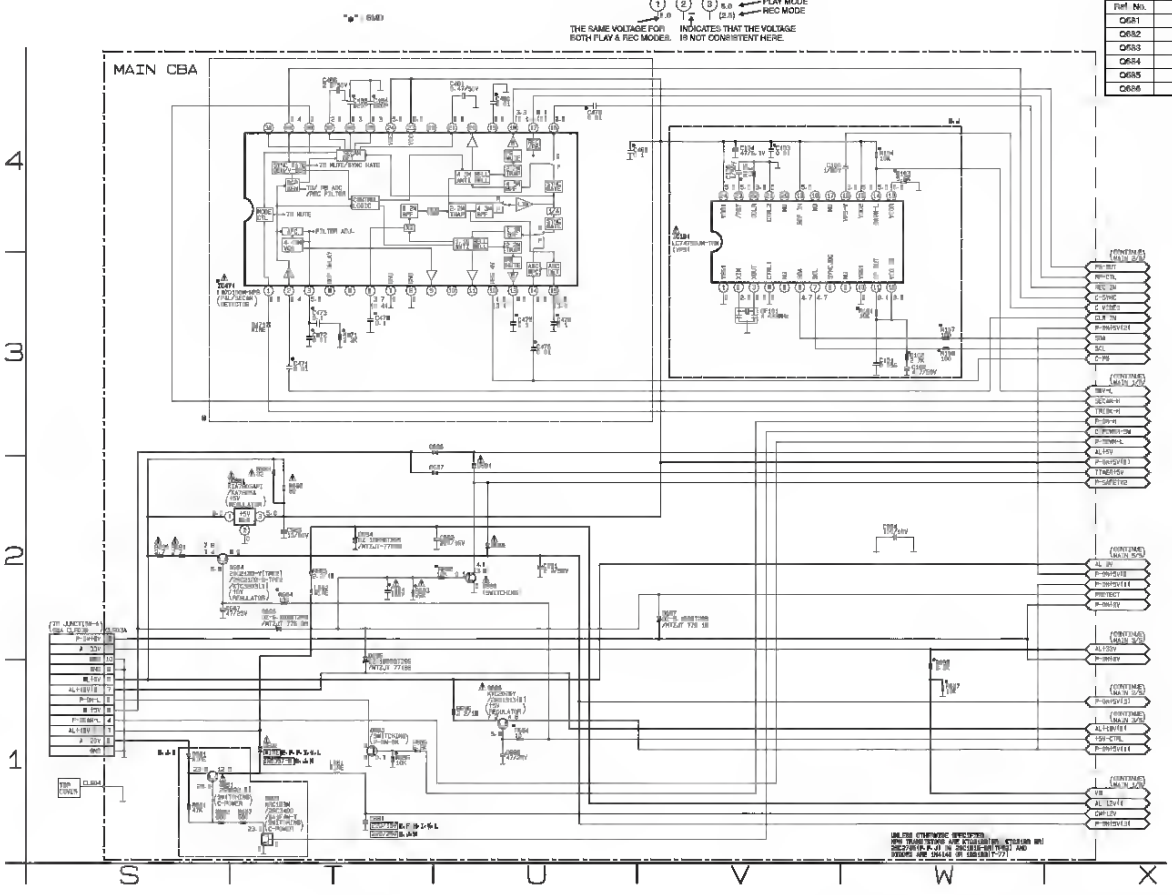
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES. INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.

VOLTAGE CHART (Power off mode)

Ref. No.	1	2	3
IC681	3.2	0	1.9
Ref. No.	E	C	B
Q681	0.9	0.9	0.7
Q682	0	7.9	0
Q683	0	0.7	0
Q684	3.1	3.1	0
Q685	0	0.8	0
Q686	0	3.1	0

Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M



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Main 4/5 Schematic Diagram Parts Location Guide

Ref No.	Position
CAPACITORS	
C101	W-3
C102	W-3
C103	V-4
C104	V-4
C105	V-4
C106	V-4
C471	T-3
C472	T-3
C473	T-3
C474	T-3
C475	U-3
C476	U-3
C478	U-3
C479	U-4
C480	U-4
C481	U-4
C483	U-3
C484	T-4
C485	T-4
C486	T-4
C681	T-1
C682	U-2
C683	T-2
C684	T-2
C687	S-2
C688	U-1
C691	U-2
C694	W-2
CONNECTORS	
CL603A	S-2
CL604	S-1
DIODES	
D471	T-3
D681	S-1
D682	T-1
D686	U-3
D687	U-2
D688	U-2
D691	U-2
D694	T-2
D695	T-2
D696	T-2
D697	V-2

Ref No.	Position
ICS	
IC101	V-4
IC471	T-3
IC681	T-2
COILS	
L681	T-1
L682	T-2
TRANSISTORS	
Q681	S-1
Q682	T-1
Q683	T-1
Q684	S-2
Q685	U-2
Q686	U-1
RESISTORS	
R101	W-3
R102	W-3
R103	W-4
R104	W-4
R106	V-4
R107	W-3
R108	W-3
R471	T-3
R681	S-1
R682	S-1
R683	T-2
R684	U-1
R685	T-1
R686	T-1
R687	T-1
R689	T-2
R690	T-2
R691	S-2
R692	U-2
R693	T-2
R694	T-2
R695	S-2
R696	T-1
R697	W-1
R698	W-1
MISCELLANEOUS	
CF101	V-3

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Main 5/5 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position
CAPACITORS		RESISTORS	
C703	BB-2	R702	Y-1
C707	BB-4	R703	CC-4
C708	BB-4	R704	CC-4
C709	BB-4	R707	BB-4
C710	CC-4	R709	CC-4
C711	CC-3	R710	BB-4
C713	CC-3	R711	AA-3
C715	Z-1	R712	CC-4
C716	BB-4	R714	CC-4
C719	BB-1	R723	CC-4
C723	BB-3	R724	CC-4
C724	AA-3	R725	CC-4
CONNECTORS		R726	CC-4
CN751	Y-4	R727	CC-3
CN752	Y-2	R728	BB-4
DIODES		R729	BB-4
D705	BB-4	R730	BB-4
D706	CC-4	R731	CC-3
D707	BB-4	R732	CC-3
D709	CC-4	R733	CC-3
D711	CC-3	R737	CC-3
D712	AA-3	R738	BB-2
D713	Z-1	R739	CC-2
D715	BB-4	R740	AA-2
D716	CC-3	R741	Z-1
ICS		R742	AA-2
IC701	CC-2	R743	AA-2
IC702	BB-2	R744	AA-2
IC703	AA-2	R745	AA-2
COILS		R746	AA-2
L701	CC-3	R747	AA-2
L702	CC-3	R748	AA-2
TRANSISTORS		R749	CC-2
Q701	BB-3	R751	Y-2
Q702	CC-4	R752	BB-3
Q703	CC-3	R753	Y-2
Q704	BB-4	R754	BB-3
Q705	CC-3	R755	AA-3
Q706	BB-4	R756	BB-4
Q707	AA-2	R757	BB-4
Q708	AA-2	TEST POINT	
Q709	BB-2	TP009	BB-3
Q710	BB-3	MISCELLANEOUS	
Q711	BB-4	JK701	Y-1
RESISTORS		JK702	Y-1
R701	Y-1	JK703	CC-4

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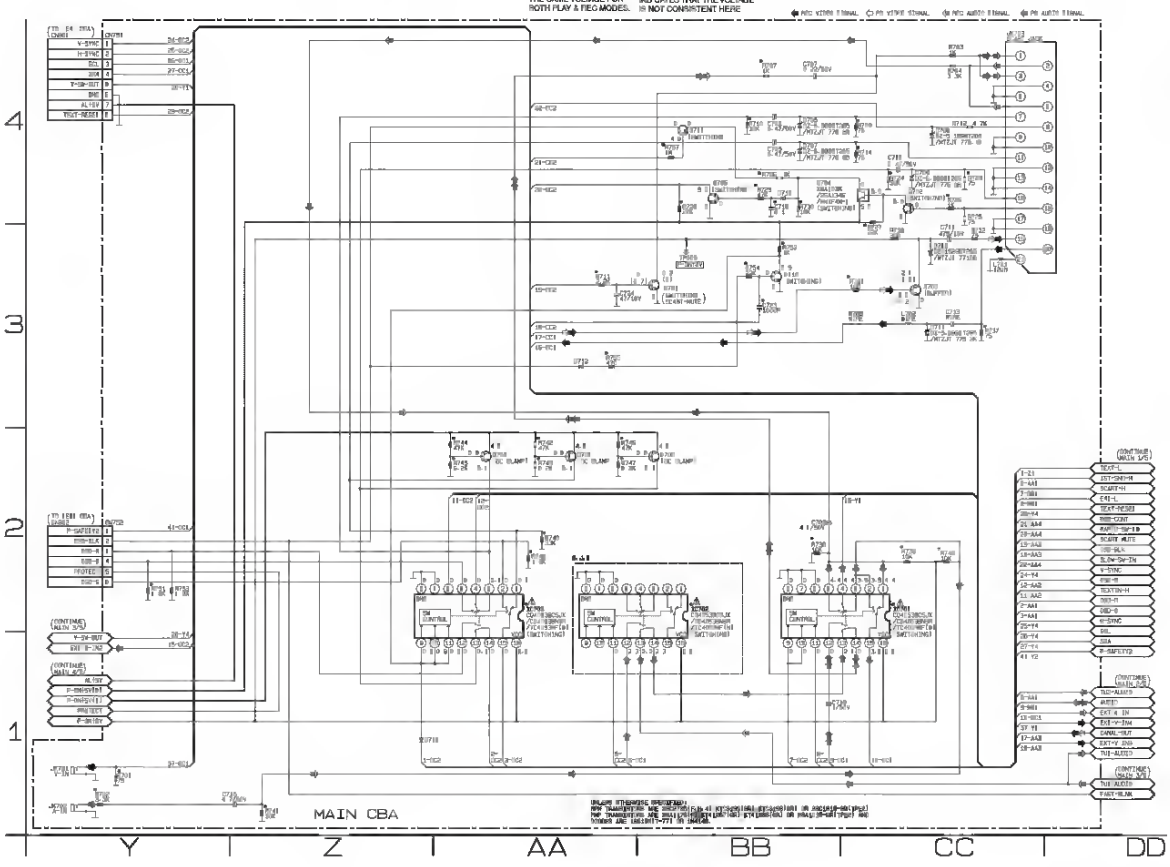
Main 5/5 Schematic Diagram

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:

Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M



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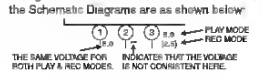
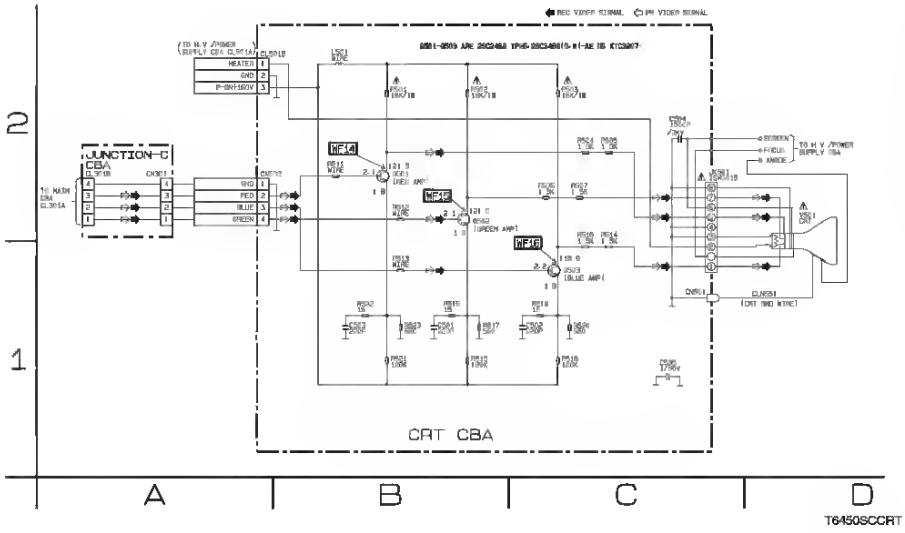
CRT Schematic Diagram

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:



CRT SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		TRANSISTORS		RESISTORS	
C501	B-1	Q502	B-2	R513	B-1
C504	C-1	Q503	C-1	R514	C-1
C503	B-1	RESISTORS		R515	B-1
C504	C-2	R501	B-2	R516	B-1
C505	C-1	R502	B-2	R517	B-1
CONNECTORS		R503	C-2	R518	C-1
CL5016	A-2	R504	C-2	R519	C-1
CN101	C-1	R505	C-2	R520	C-1
CN102	A-2	R506	C-2	R521	B-1
COIL		R507	C-2	R522	B-1
L501	B-2	R510	C-1	R523	B-1
TRANSISTORS		R511	B-2	MISCELLANEOUS	
Q501	B-2	R512	B-2	JK501	C-2



T6450SCCRT

H.V./Power Supply 1/2 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		DIODES		RESISTORS	
C603	B-1	D627	C-1	R602	C-2
C605	A-1	D628	D-3	R631	C-1
C611	A-2	D630	D-3	R636	C-1
C613	B-3	D631	D-2	R637	C-2
C614	A-3	D634	D-2	R635	C-1
C615	B-2	D635	D-2	R637	C-1
C616	A-3	D636	D-1	R638	C-2
C617	C-2	D637	D-1	R639	C-2
C618	C-2	D638	D-2	R640	D-3
C619	C-3	D641	C-3	R641	D-3
C621	C-3	D642	D-3	R642	D-2
C622	C-3	IC		R643	D-3
C624	C-2	IC601	B-2	R644	D-3
C625	C-3	COILS		R645	C-2
C626	C-3	L601	B-1	R646	D-3
C627	C-3	L603	C-3	R647	D-3
C629	D-3	TRANSISTORS		R648	D-2
C630	E-3	Q603	A-3	R651	D-2
C632	D-2	Q605	B-2	R652	D-3
C633	D-2	Q604	B-2	R653	D-2
C634	D-1	Q606	D-3	R654	D-2
C635	C-3	Q605	D-3	R656	C-1
CONNECTORS		Q607	D-2	R656	C-1
CN601	A-2	Q608	D-2	R657	D-1
CN602	E-3	RESISTORS		R658	C-2
DIODES		R601	A-1	R659	C-2
D601	B-2	R602	B-1	R660	D-3
D603	B-2	R606	B-1	R661	C-1
D603	B-2	R604	B-2	R662	B-3
D604	B-2	R605	B-2	R663	D-3
D605	B-2	R611	B-3	SWITCH	
D606	B-2	R612	B-3	SW601	A-1
D610	B-3	R613	A-2	MISCELLANEOUS	
D612	A-2	R615	B-2	BO602	A-3
D613	C-2	R616	A-2	BO604	C-3
D614	C-2	R617	A-2	BO605	C-3
D615	C-2	R618	B-2	F601	A-1
D616	E-2	R619	B-2	PS602	A-2
D617	C-3	R620	B-3	SA601	A-1
D618	C-3	R621	B-3	T601	B-3
D619	B-3	R622	B-3	TM601	A-1
D620	C-3	R624	B-3	TM602	A-1
D622	C-1	R625	C-2	VARIABLE RESISTOR	
D623	C-1	R626	C-1	VR601	C-2
D624	C-1	R627	B-2		
D625	C-1	R628	C-3		
D626	C-3	R631	C-2		

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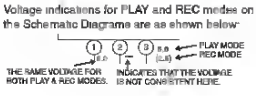
H.V./Power Supply 1/2 Schematic Diagram

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit. If Main Fuse (F801) is blown check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply Otherwise it may cause some components in the power supply circuit to fail.

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD
REPLACE ONLY WITH THE SAME TYPE FUSE

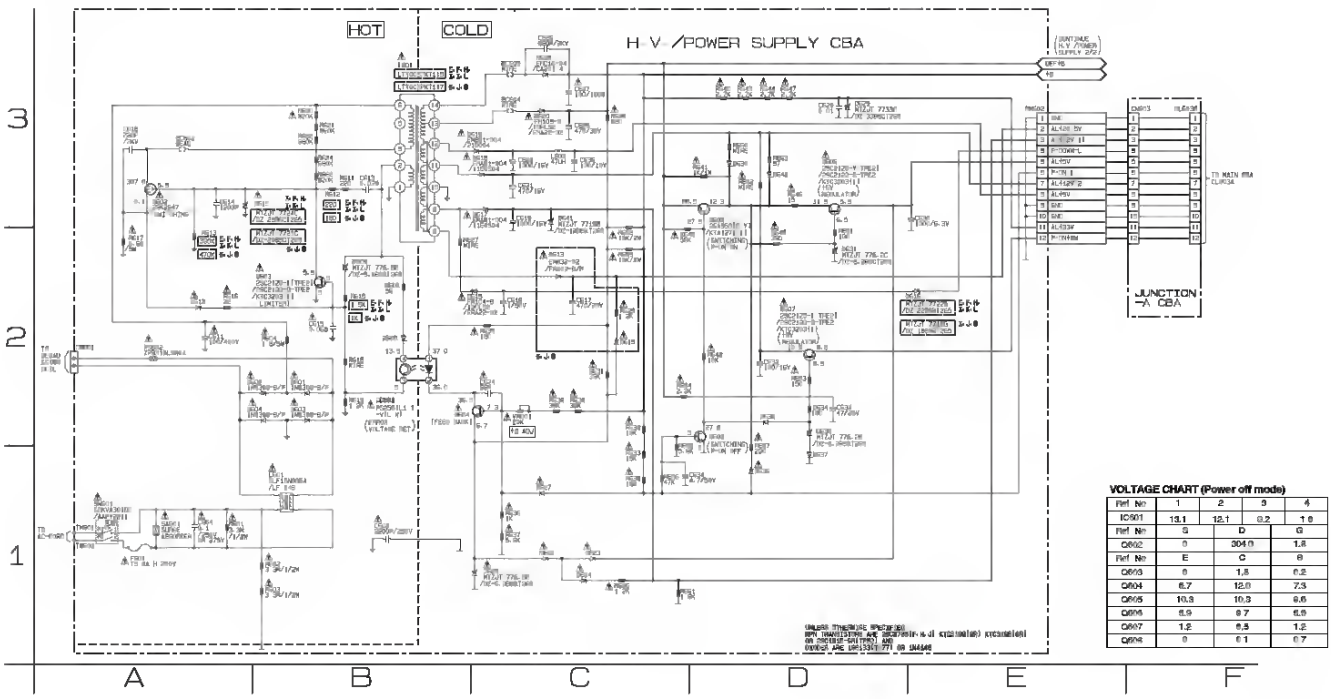
NOTE
The voltage for parts in hot circuit is measured using hot GND as a common terminal

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:



Comparison Chart of Models and Marks

MODEL	MARK
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M



VOLTAGE CHART (Power off mode)

Ref. No.	1	2	3	4
IC901	13.1	12.1	0.2	1.8
Ref. No.	S	D		G
Q902	0	304.0		1.8
Ref. No.	E	C		B
Q903	0	1.8		0.2
Q904	6.7	12.0		7.3
Q905	10.8	10.3		9.6
Q906	6.9	0.7		6.9
Q907	1.2	6.5		1.2
Q908	0	6.1		0.7

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H.V./Power Supply 2/2 Schematic Diagram

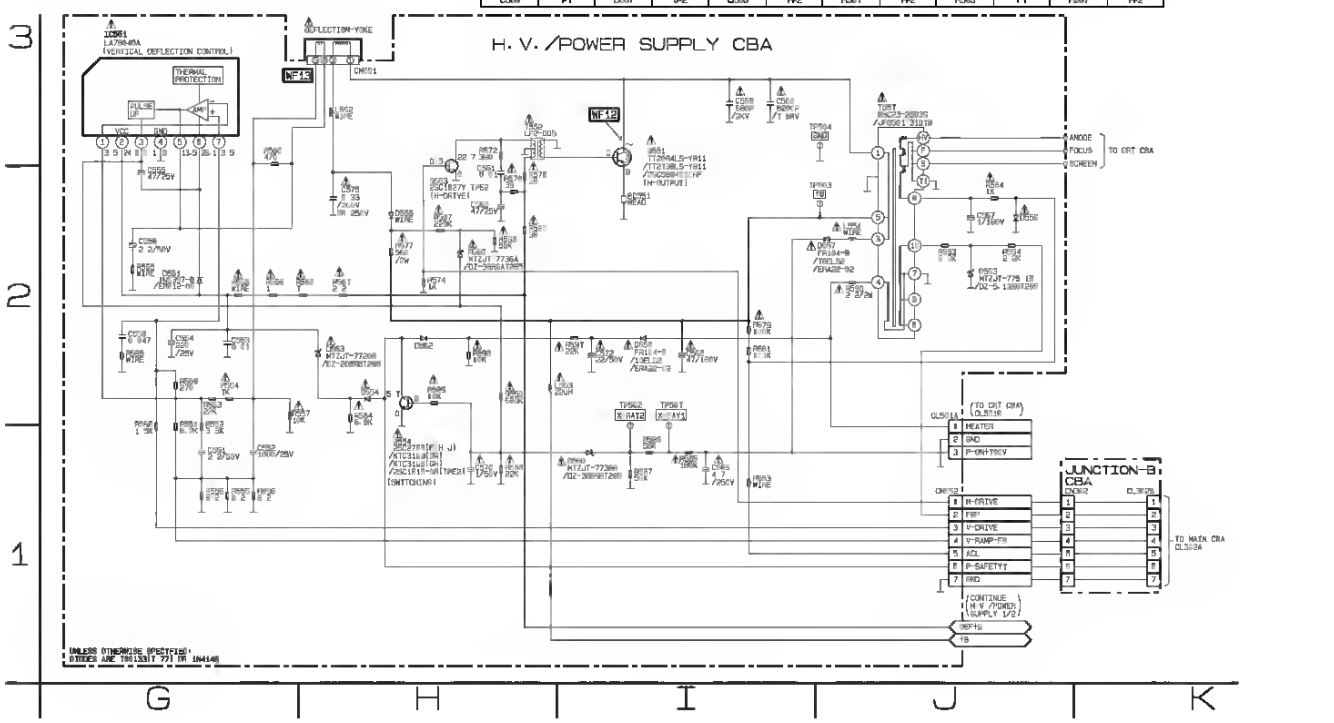
H.V./POWER SUPPLY 2/2 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CAPACITORS		DIODES		TRANSISTORS		RESISTORS		RESISTORS		RESISTORS	
C501	G-1	C570	H-1	D502	I-2	Q504	H-1	R564	H-2	R594	J-2	R598	H-2
C502	G-1	C572	I-2	D503	I-1	RESISTORS		R565	G-2	R595	I-1	MISCELLANEOUS	
C553	G-2	C575	H-2	D562	H-2	R550	H-2	R566	G-3	R596	I-1	BC551	I-2
C554	G-2	CONNECTORS		D563	J-2	R551	G-1	R568	G-1	R597	I-1	T501	J-3
C555	G-2	CL501A	J-2	D565	H-2	R552	G-1	R569	G-2	R598	H-1	T502	H-3
C556	G-2	CN551	H-3	IC		R553	G-2	R572	H-3	R599	H-2	TEST POINTS	
D551	G-2	CN552	J-1	IC551	G-3	R554	G-2	R574	H-2	R590	J-2	TP501	I-2
C575	I-3	DIODES		COILS		R555	G-1	R575	H-2	R597	I-2	TP502	I-2
C580	I-3	D551	G-2	L552	H-3	R556	G-1	R577	H-2	R593	H-2	TP503	J-2
C581	H-2	D553	H-2	L553	I-2	R557	G-2	R578	H-2	R593	J-2	TP504	J-3
D553	H-2	D554	H-2	L554	J-2	R558	G-2	R579	I-2	R594	J-2		
C585	I-2	D555	H-2	TRANSISTORS		R559	G-2	R580	H-2	R595	G-2		
C587	J-2	D556	J-2	Q551	I-2	R560	H-2	R581	I-2	R596	G-1		
C588	I-1	D557	J-2	Q553	H-2	R561	H-2	R583	I-1	R597	H-2		

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:

(1) (2) (3) 8.0 ← PLAY MODE
8.0 (8.5) ← REC MODE

THE SAME VOLTAGE FOR BOTH PLAY & REC MODES. INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.



1-8-60 1-8-61 T6450SCP2

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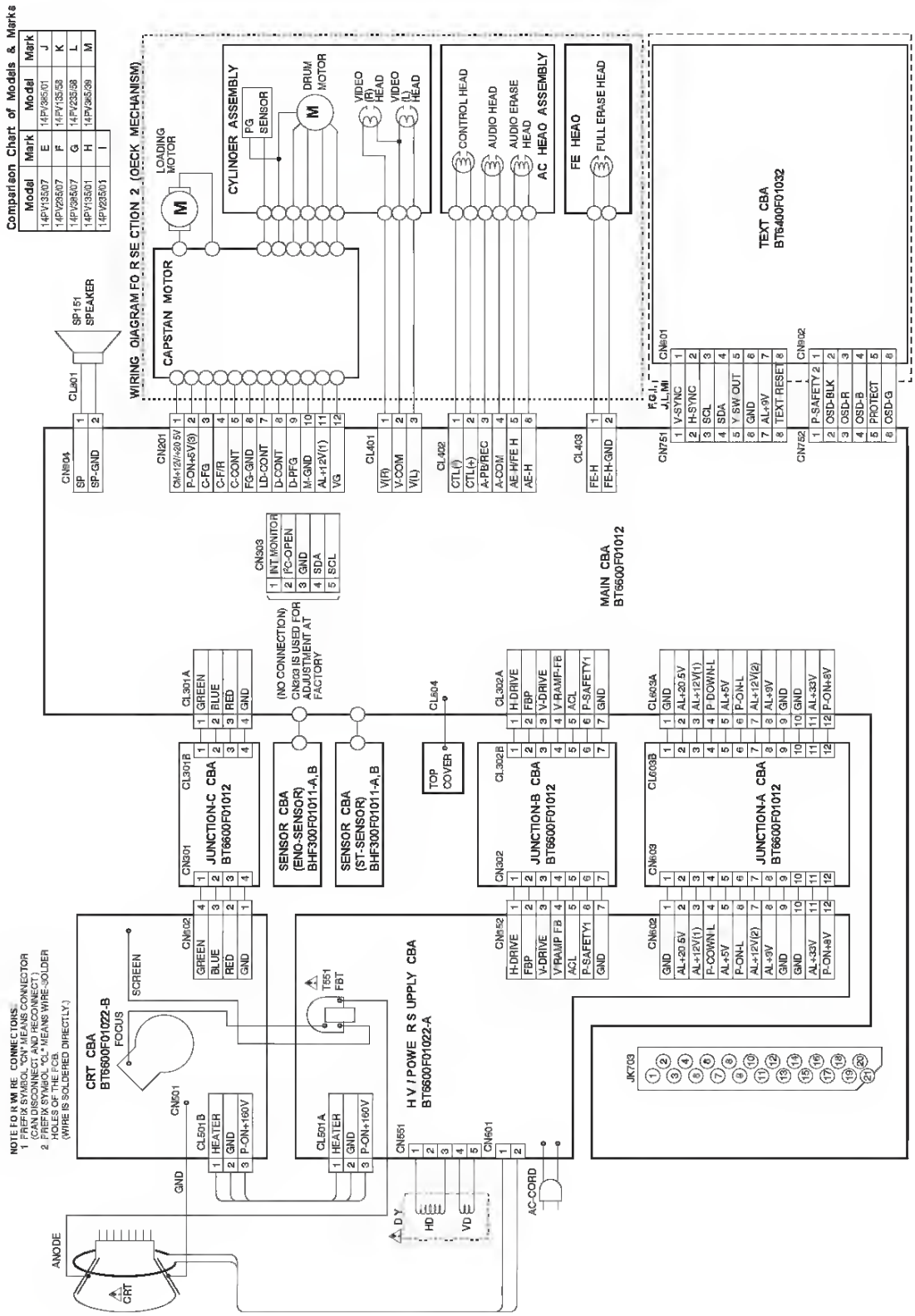
WIRING DIAGRAM

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]


Comparison Chart of Models & Marks
Model | Mark | Model | Mark
14PV135/07 | E | 14PV385/01 | J
14PV295/07 | F | 14PV135/58 | K
14PV385/07 | G | 14PV235/58 | L
14PV135/01 | H | 14PV385/39 | M
14PV235/01 | I
WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)
CAPSTAN MOTOR
LOADING MOTOR
CYLINDER ASSEMBLY
FG SENSOR
DRUM MOTOR
VIDEO (R) HEAD
VIDEO (L) HEAD
AC HEAD ASSEMBLY
CONTROL HEAD
AUDIO HEAD
AUDIO ERASE HEAD
FE HEAD
FULL ERASE HEAD
SP151 SPEAKER
TEXT CBA BT6400F01032
MAIN CBA BT6600F01012
JUNCTION-C CBA BT6600F01012
JUNCTION-B CBA BT6600F01012
JUNCTION-A CBA BT6600F01012
SENSOR CBA (ENG-SENSOR) BHF300F01011-A,B
SENSOR CBA (ST-SENSOR) BHF300F01011-A,B
TOP COVER
CRT CBA BT6600F01022-B
H V / POWE R S UPPLY CBA BT6600F01022-A
SCREEN
FOCUS
CRT
ANODE
AC-CORD
(NO CONNECTION) CN603 IS USED FOR ADJUSTMENT AT FACTORY
NOTE FO R WI RE CONNECTIONS
1 PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2 PREFIX SYMBOL "CL" MEANS WIRE SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

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SYSTEM CONTROL TIMING CHARTS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58)]

Chart 1

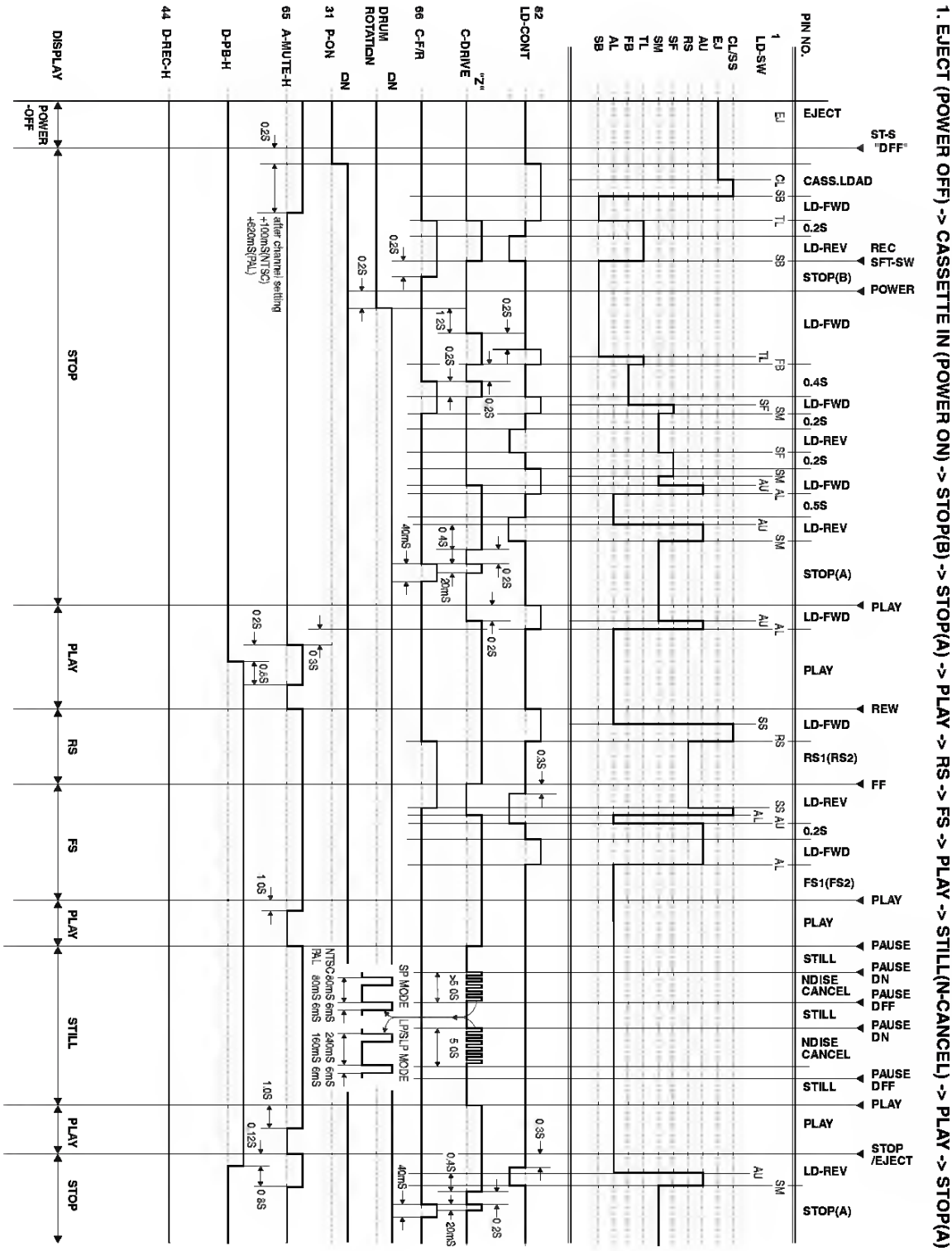

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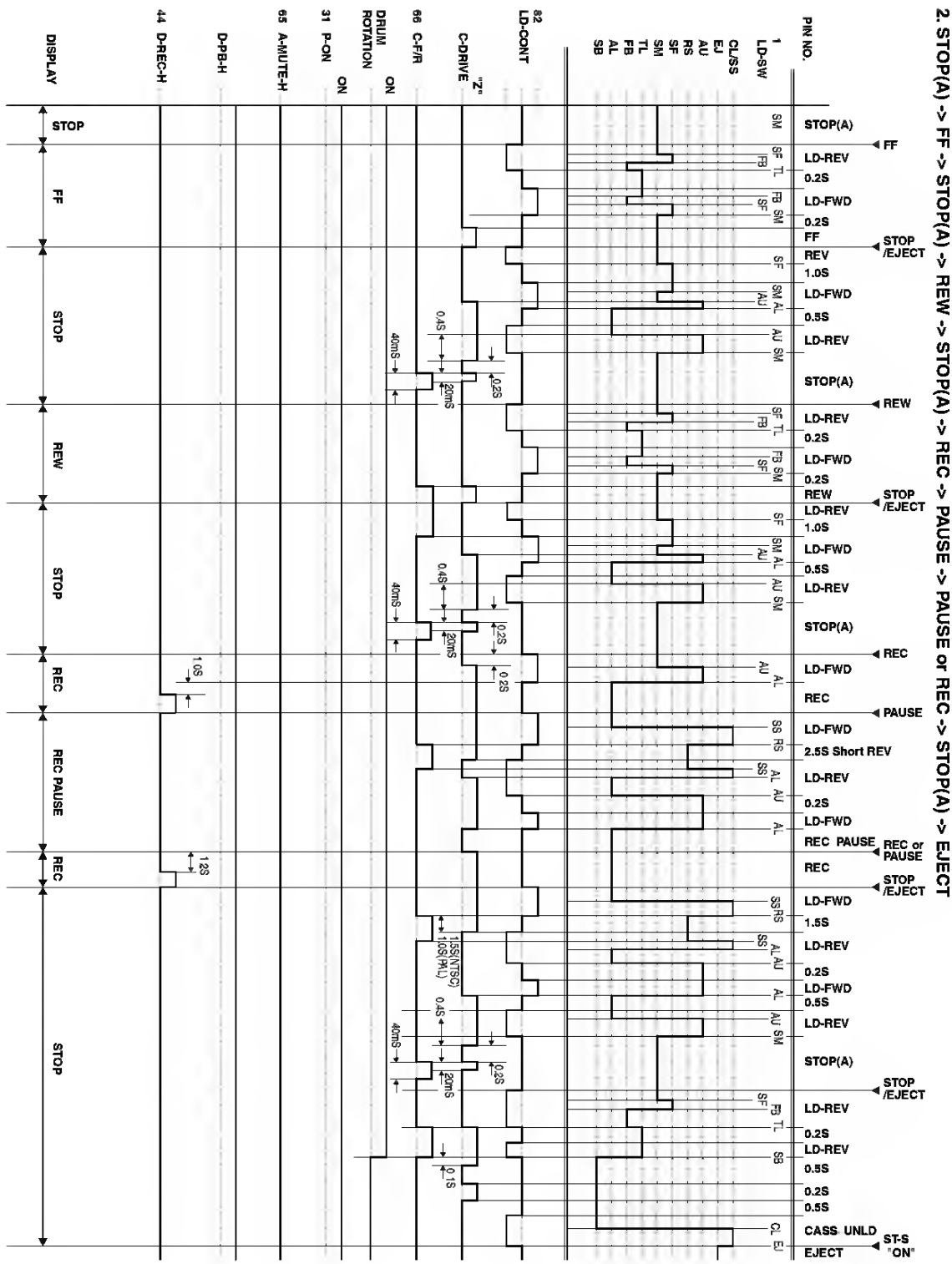
Chart 2



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[14PV385/ (01, 07, 39)]

Chart 1

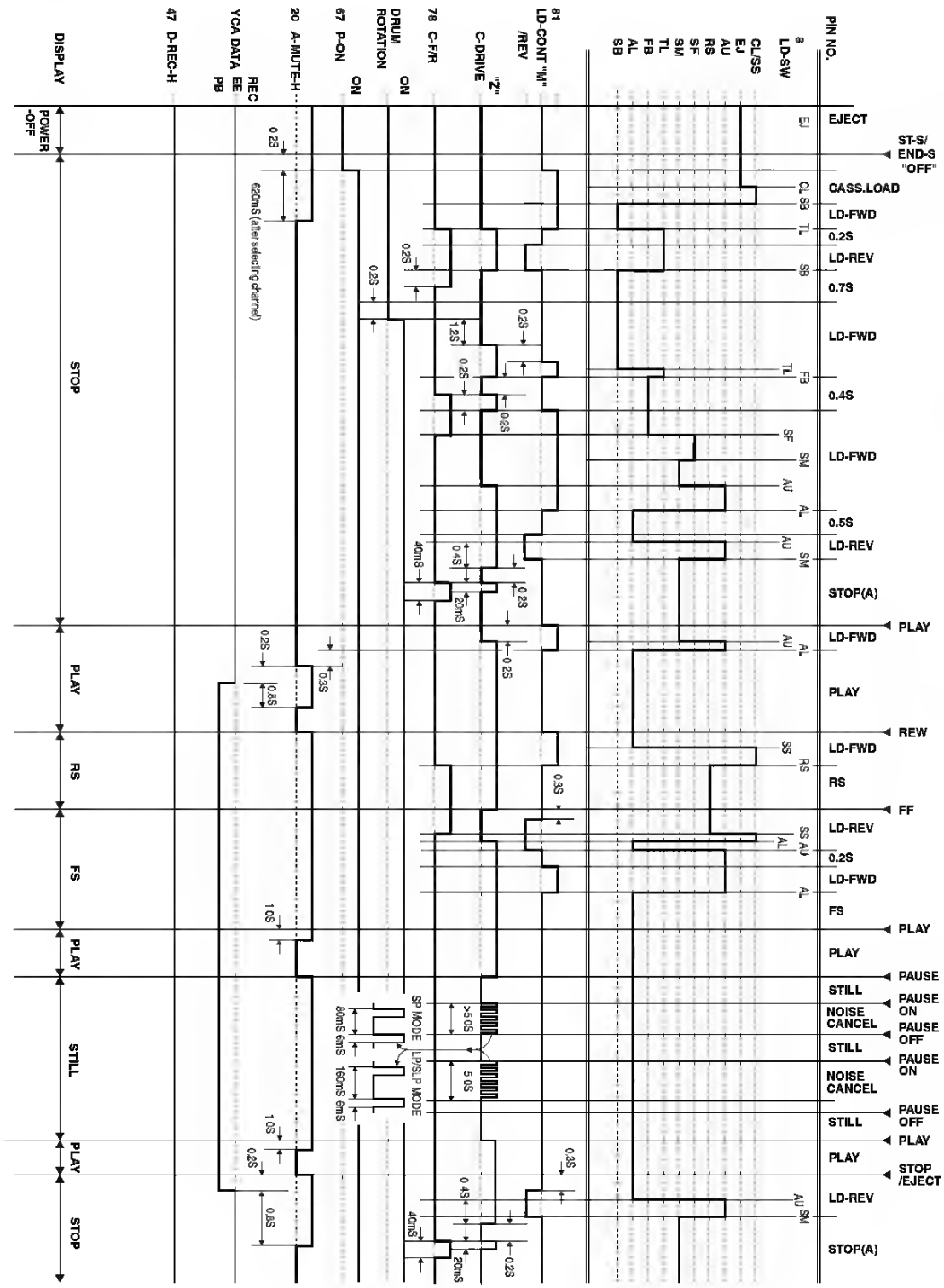

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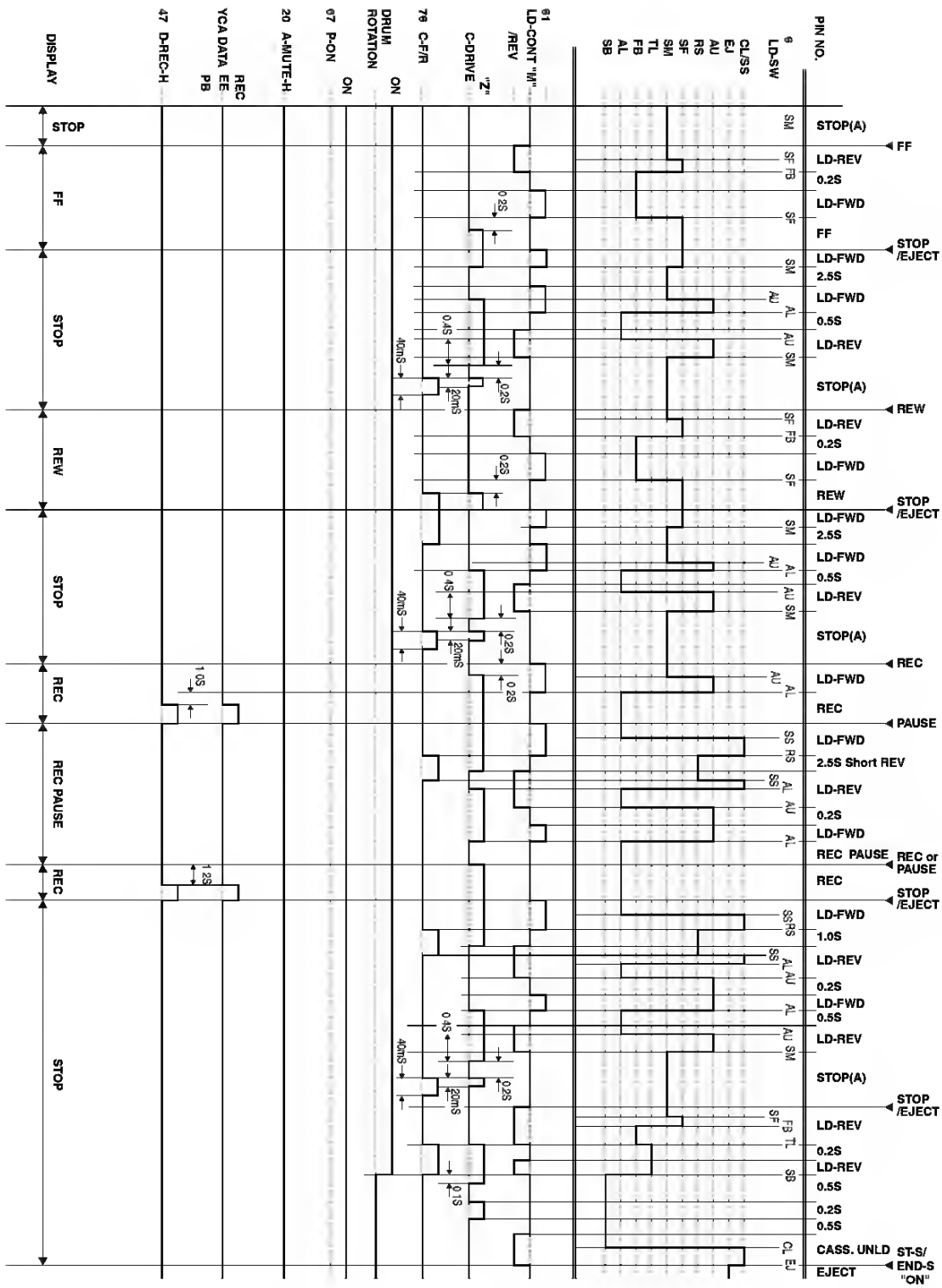
Chart 2



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IC PIN FUNCTION DESCRIPTIONS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Comparison Chart of Models and Marks

Model	Mark
14PV135/07	E
14PV235/07	F
14PV385/07	G
14PV135/01	H
14PV235/01	I
14PV385/01	J
14PV135/58	K
14PV235/58	L
14PV385/39	M

IC 201 (TV/VCR Micro Controller)

"H" ≥ 4.5V, "L" ≤ 1.0V

Pin No.	Mark	IN/ OUT	Signal Name	Function
1	E,F,H ,I,K,L	-	NU	Not Used
	G,J, M	IN	AFC2	AFC 2 of Tuner 2
2		IN	P-SAFETY 2	Power Supply Failure Detection 2
3		IN	P-SAFETY 1	Power Supply Failure Detection 1
4		IN	END-SENS	End-Sensor
5		IN	AFC	Automatic Frequency Control Signal
6		IN	V-ENV	Video Envelope Input
7		IN	KEY-1	Key 1 Input
8		IN	KEY-2	Key 2 Input
9		IN	LD-SW	Loading Switch Input
10		IN	ST-SENS	Start-Sensor
11		-	NU	Not Used
12		-	NU	Not Used
13		IN/ OUT	DV SYNC	Artificial V-Sync Output
14		IN	REMOTE	Remote Signal Input
15		OUT	C-ROTA	Color Phase Rotary Changeover SIgnal
16		OUT	H-A-SW	Video Head Amp Switching Pulse
17		-	NU	Not Used
18		OUT	RF-SW	Video Head Switching Pulse
19		-	NU	Not Used
20		OUT	A-MUTE-H	Audio Mute Control Signal (Mute = "H")
21		-	NU	Not Used
22	E,F,H ,I,K,L	-	NU	Not Used
	G,J, M	OUT	1ST-SND-H	Tuner 1 and Tuner 2 Switching Signal
23		OUT	REC-LED	Recording LED Control Signal
24		OUT	REC-LED	Recording LED Control Signal
25		-	NU	Not Used
26		-	NU	Not Used
27		-	NU	Not Used
28		-	NU	Not Used
29		OUT	SCART-MUTE	RAPID-Switch Input Signal from Scart Jack
30		-	NU	Not Used
31		IN	REC-SAFETY	Record Protection Tab Detection
32	E,F,G ,H,I,J ,K,L	-	NU	Not Used
	M	IN	SECAM-H	SECAM Mode at High
33	E,F,G ,H,I,J ,K,L	-	NU	Not Used
	M	IN/ OUT	TRICK-H	Special Playback = "H" in SECAM Mode
34		IN	RESET	System Reset Signal (Reset="L")
35		IN	XCIN	Sub Clock 32 kHz
36		OUT	XCOUT	Sub Clock 32 kHz
37		-	TIMER+5V	Vcc
38		IN	XIN	Main Clock Input
39		OUT	XOUT	Main Clock Output
40		-	GND	GND
41		OUT	SPOT-KILL	Counter-measure for Spot
42		OUT	EXT-L	External Input or Playback = Output
43		IN	CLKSEL	Clock Select (GND)

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Pin No.	Mark	IN/ OUT	Signal Name	Function
44		OUT	SP-MUTE	Speaker Mute Signal
45		IN/ OUT	I2C-OPEN	White Balance Adjust Mode Judgment
48		-	GND	GND
47		OUT	D-REC-H	Delayed Record Signal
48		OUT	SCART-H	Switching Signal of Scart Jack and RCA Jack
49		-	OSD-GND	OSD GND
50		-	NU	Not Used
51		-	NU	Not Used
52		-	NU	Not Used
53		-	OSDVcc	OSDVcc
54		-	HLF	HLF
55	E,H, K	-	NU	Not Used
	F,G,I, J,L,M	OUT	TEXT-RESET	Tele Text Reset
56		IN	CV-IN	Video Signal Input
57		-	GND	GND
58		IN	H-SYNC	H-SYNC Input
59		IN	V-SYNC	V-SYNC Input
60		OUT	OSD-BLK	Output for Picture Cut off
61		OUT	RGB-CONT	RGB Control Signal
62		OUT	OSD-B	Blue Output
63		OUT	OSD-G	Green Output
64		OUT	OSD-R	Red Output
65		IN	RAPIT-SW-IN	RAPID-Switch Input Signal
68	E,F,H ,I,K,L	-	NU	Not Used
	G,J, M	OUT	C-POWER-SW	Capstan Power Switching Signal
67		OUT	P-ON-H	Power On Signal at High
68		IN	SLOW-SW-IN	Slow Switch Input Signal
69		-	NU	Not Used
70		OUT	TEXT-IN-H	Tele Text Input Signal at High
71		OUT	SCL	E2PROM/ CHROMA IC Tuner Communication Clock

Pin No.	Mark	IN/ OUT	Signal Name	Function
72		IN/ OUT	SDA	E2PROM/ CHROMA IC Tuner Communication Data
73		-	NU	Not Used
74		IN	C-SYNC	C-Sync Input
75		-	NU	Not Used
78		OUT	C-CONT	Capstan Motor Control Signal
77		OUT	D-CONT	Drum Motor Control Signal
78		OUT	C-F/R	Capstan Motor FWD/REV Control Signal (FWD="L"/ REV="H")
79	E,F,H ,I,K,L	-	NU	Not Used
	G,J, M	IN	S-REEL	Supply Reel Rotation Signal
80		IN	T-REEL	Take Up Reel Rotation Signal
81		IN/ OUT	LD-CONT	Loading Motor Control Signal
82		OUT	TEXT-L	Teletext Control Signal
83	E,F,H ,I,K,L ,M	-	NU	Not Used
	G,J	IN	DAV-L	VPS/PDC Data Receive = "L"
84		-	NU	Not Used
85		IN	P-DOWN-L	Power Voltage Down Detector Signal at Low
88		-	NU	Not Used
87		IN	C-FG	Capstan Motor Rotation Detection Pulse
88		-	AMPVss	AMPVss (GND)
89		-	NU	Not Used
90		IN	D-PFG	Drum Motor Phase/ Frequency Generator
91		OUT	AMP VREF-OUT	Standard Voltage Output
92		IN	AMP VREF-IN	Standard Voltage Input
93		-	C	C Terminal
94		IN/ OUT	CTL (-)	CTL (-)
95		IN/ OUT	CTL (+)	CTL (+)

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Pin No.	Mark	IN/ OUT	Signal Name	Function
96		-	AMPC	AMPC
97		OUT	CTL AMP-OUT	Control Amp Output
98		-	AMPVcc	AMPVcc
99		-	AVcc	A/D Converter Power Input/ Standard Voltage Input
100		IN	AGC	Tuner IF Output Signal

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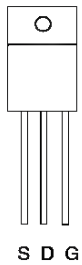
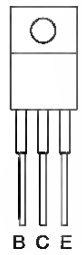
LEAD IDENTIFICATIONS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

2SK2647



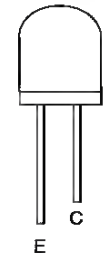
S: Souce
D: Drain
G: Gate



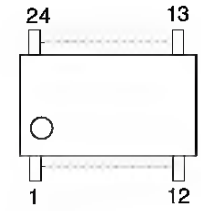
2SC5884000RF
2SD1913(R)
KTC2026Y
TT2084LS-YB11
TT2138LS-YB11

E: Emitter
C: Collector
B: Base

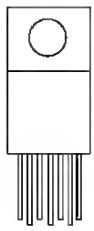
MID-32A22F
PT204-6B-12

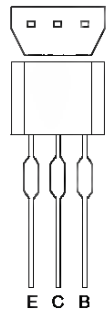


LC74793JM-TRM

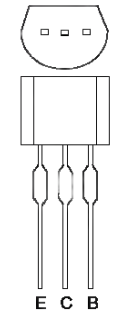


LA78040A



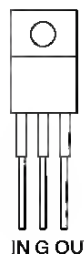


2SA1346
KRA103M
KTA1266(GR)
2SA1175(F)
2SC1627Y-TPE2
2SC2785(F,H,J)
BN1F4M-T
KTA1267(GR)
KTC3199(GR)
KRC103M
BA1F4M-T
2SC3400

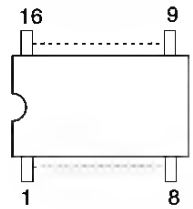


2SC1815-GR(TPE2)
2SC2120-O(TPE2)
2SC2120-Y(TPE2)
2SC3331(T,U)
KTC3203(Y)
KTC3207
2SA1015-GR(TPE2)
2SA950(Y,O)
2SD2627LS-FEC-YB11
KTA1271(Y)
KTC3198(GR)
2SC2482TPE6
2SC3468(E)-AE
2SB892(S)

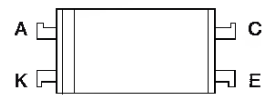
KA7805A
KIA7805API



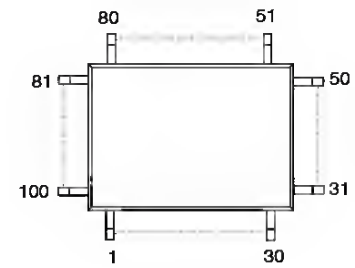
CD4053BCSJX
CD4053BNSR
TC4053BF(N)



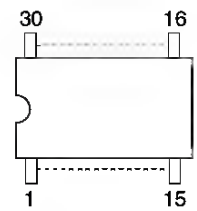
PS2561L1-1-VL
PS2561L1-1-VW



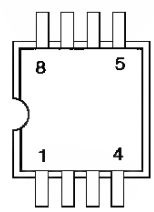
LA71750EM-MPB-E
M3776AMCA-BA3GP
M3776AMFA-BA4GP



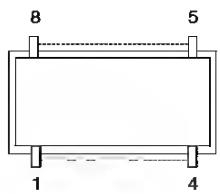
LA70100M-MPB



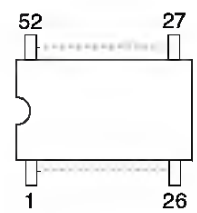
AT24C04N-10SC
BR24C04F
BR24C04F-W
BR24L04F-WE2
CAT24WC04JI
M24C04-MN6
M24C04-WMN6



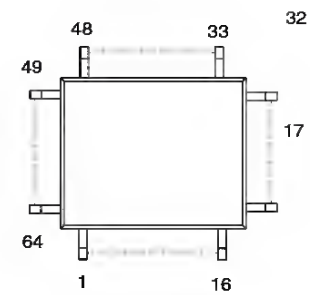
LA4224



SAA5265



M61209BFP



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PRODUCT SAFETY NOTE Products marked with a ▲

have special characteristics important to safety.
Before replacing any of these components, read carefully
the product safety notice in this service manual
Don't degrade the safety of the product through improper servicing

NOTES:

C.....±0.25% D.....±0.5% F.....±1%
G.....±2% J.....±5% K.....±10%
M.....±20% N.....±30% Z.....+80/-20%

ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	**▲**	**12 NC**	**Description**									
			MMA CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			Consists of the following									
			MAIN CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			JUNCTION A CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			JUNCTION B CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			JUNCTION C CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			SENSOR CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			POWER CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			CRT CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			MAIN CBA									
			CAPACITORS									
C001			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C002			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C005			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V							1	1	1
C006			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C008			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C009			PCB JUMPER D0 6-P5 0	1	1	1	1	1	1	1	1	1
C014			PCB JUMPER D0 6-P5 0							1	1	1
C101			FILM CAP (P) 0 056UF/50V J							1	1	
C102			ELECTROLYTIC CAP 4 7UF/50V M H7							1	1	
C103			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V							1	1	
C104			ELECTROLYTIC CAP 47UF/6 3V M H7							1	1	
C105			ELECTROLYTIC CAP 1UF/50V M H7							1	1	
C106			ELECTROLYTIC CAP 1UF/50V M H7							1	1	
C151			ELECTROLYTIC CAP 330UF/16V M	1	1	1	1	1	1	1	1	1
C152			CERAMIC CAP (AX) X M 2200PF/16V	1	1	1	1	1	1	1	1	1
C154			ELECTROLYTIC CAP 470UF/16V M	1	1	1	1	1	1	1	1	1
C155			ELECTROLYTIC CAP 0 22UF/50V M H7	1	1	1	1	1	1	1	1	1
C156			CHIP CERAMIC CAP (1608) B K 4700PF/50V	1	1	1	1	1	1	1	1	1
C157			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C160			CHIP CERAMIC CAP (1608) CH J 270PF/50V	1	1	1	1	1	1	1	1	1
C203			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C205			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C207			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C208			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C209			CHIP CERAMIC CAP (1608) CH J 22PF/50V	1	1	1	1	1	1	1	1	1
C210			CHIP CERAMIC CAP (1608) CH J 22PF/50V	1	1	1	1	1	1	1	1	1
C211			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C212			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C213			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C214			ELECTROLYTIC CAP 330UF/6 3V M	1	1	1	1	1	1	1	1	1
C217			CHIP CERAMIC CAP CH D 10PF/50V	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
C218			CHIP CERAMIC CAP CH D 10PF/50V	1	1	1	1	1	1	1	1	1
C221			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C222			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C223			CHIP CERAMIC CAP (MELF) Y K 4700PF/16V	1	1	1	1	1	1	1	1	1
C224			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C225			CHIP CERAMIC CAP CH J 560PF/50V	1	1	1	1	1	1	1	1	1
C226			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C227			CHIP CERAMIC CAP CH D 10PF/50V	1	1	1	1	1	1	1	1	1
C228			CHIP CERAMIC CAP CH D 10PF/50V	1	1	1	1	1	1	1	1	1
C229			CHIP CERAMIC CAP (MELF) Y K 4700PF/16V	1	1	1	1	1	1	1	1	1
C230			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C231			CHIP CERAMIC CAP (MELF) F Z 0 01UF/18V	1	1	1	1	1	1	1	1	1
C233	▲	9965 000 09764	CHIP CERAMIC CAP (MELF) Y K 1000PF/35V	1	1	1	1	1	1	1	1	1
C234			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C235			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C236			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C237			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C238			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C239			CHIP CERAMIC CAP CH J 560PF/50V	1	1	1	1	1	1	1	1	1
C240			CHIP CERAMIC CAP (MELF) Y K 4700PF/16V	1	1	1	1	1	1	1	1	1
C241			ELECTROLYTIC CAP 22UF/50V M	1	1	1	1	1	1	1	1	1
C242			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C243			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C244			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C245			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C248			ELECTROLYTIC CAP 47UF/6 3V M H7	1	1	1	1	1	1	1	1	1
C253			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C254			CHIP CERAMIC CAP CH J 560PF/50V	1	1	1	1	1	1	1	1	1
C255			CHIP CERAMIC CAP CH J 560PF/50V	1	1	1	1	1	1	1	1	1
C256			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C301			CHIP CERAMIC CAP (MELF) F Z 0 01UF/18V	1	1	1	1	1	1	1	1	1
C302			ELECTROLYTIC CAP 470UF/6 3V M	1	1	1	1	1	1	1	1	1
C303			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C304			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C305			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C307			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C308			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C309			FILM CAP (P) 0 1UF/50V J	1	1	1	1	1	1	1	1	1
C310			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C311			ELECTROLYTIC CAP 470UF/6 3V M	1	1	1	1	1	1	1	1	1
C312			CHIP CERAMIC CAP (MELF) B K 180PF/50V	1	1	1	1	1	1	1	1	1
C313			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C314			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C315			CHIP CERAMIC CAP (1608) F Z 0 1UF/50V	1	1	1	1	1	1	1	1	1
C316			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C317			CHIP CERAMIC CAP CH J 150PF/50V	1	1	1	1	1	1	1	1	1
C318			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C319			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C320			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C321			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C322			ELECTROLYTIC CAP 470UF/10V M	1	1	1	1	1	1	1	1	1
C323			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C324			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1
C325			MYLAR CAP 0 22UF/50V J	1	1	1	1	1	1	1	1	1
C326			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C327			CHIP CERAMIC CAP (1608) B K 0 01UF/50V	1	1	1	1	1	1	1	1	1
C328			MYLAR CAP 0 22UF/50V J	1	1	1	1	1	1	1	1	1
C330			CHIP CERAMIC CAP (MELF) F Z 0 01UF/16V	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
C331			ELECTROLYTIC CAP 47UF/10V M	1	1	1	1	1	1	1	1	1
C332			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C333			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C334			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C336			ELECTROLYTIC CAP 47UF/10V M	1	1	1	1	1	1	1	1	1
C338			CHIP CERAMIC CAP (MELF) Y K 1000PF/35V	1	1	1	1	1	1	1	1	1
C340			CHIP CERAMIC CAP (MELF) B K 180PF/50V	1	1	1	1	1	1	1	1	1
C341			CHIP CERAMIC CAP (MELF) F Z 0.01UF/16V	1	1	1	1	1	1	1	1	1
C344			CHIP CERAMIC CAP (MELF) Y K 1000PF/35V	1	1	1	1	1	1	1	1	1
C350			ELECTROLYTIC CAP 220UF/10V M	1	1	1	1	1	1	1	1	1
C401			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C402			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C403			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C404			ELECTROLYTIC CAP 100UF/6.3V H7	1	1	1	1	1	1	1	1	1
C405			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C406			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C407			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C408			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C409			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C410			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C411			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C412			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C413			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C414			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C415			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C416			ELECTROLYTIC CAP 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1
C417			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C418			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C419			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C420			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C421			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C422			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V							1	1	1
C424			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C425			CHIP CERAMIC CAP CH J 68PF/50V	1	1	1	1	1	1	1	1	1
C426			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C427			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C430			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C431			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C432			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C433			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C434			ELECTROLYTIC CAP 22UF/16V M H7	1	1	1	1	1	1	1	1	1
C435			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C436			CHIP CERAMIC CAP CH J 120PF/50V	1	1	1	1	1	1	1	1	1
C438			CHIP CERAMIC CAP CH J 220PF/50V	1	1	1	1	1	1	1	1	1
C440			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C441			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C442			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C443			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C444			CHIP CERAMIC CAP B K 2200PF/50V	1	1	1	1	1	1	1	1	1
C445			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C452			CHIP CERAMIC CAP CH J 68PF/50V	1	1	1	1	1	1	1	1	1
C471			CHIP CERAMIC CAP (1608) B K 0.01UF/50V									1
C472			CHIP CERAMIC CAP (1608) B K 0.01UF/50V									1
C473			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V									1
C474			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V									1
C475			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V									1
C476			CHIP CERAMIC CAP (1608) B K 0.01UF/50V									1
C478			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V									1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
C479			CHIP CERAMIC CAP (1608) B K 0.01UF/50V									1
C480			CHIP CERAMIC CAP (1608) B K 0.01UF/50V									1
C481			ELECTROLYTIC CAP 0.47UF/50V M H7									1
C483			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V									1
C484			CHIP CERAMIC CAP CH J 820PF/50V									1
C485			CHIP CERAMIC CAP CH J 820PF/50V									1
C486			ELECTROLYTIC CAP 2.2UF/50V M H7									1
C681			ELECTROLYTIC CAP 220UF/16V M	1	1	1	1	1	1			
C682			ELECTROLYTIC CAP 220UF/16V M	1	1	1	1	1	1	1	1	1
C683			ELECTROLYTIC CAP 10UF/50V M	1	1	1	1	1	1	1	1	1
C684	▲	9965 000 24177	CHIP CERAMIC CAP (MELF) B K 180PF/50V	1	1	1	1	1	1	1	1	1
C687			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C688			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C691			ELECTROLYTIC CAP 2.2UF/50V M	1	1	1	1	1	1	1	1	1
C694			ELECTROLYTIC CAP 100UF/10V M	1	1	1	1	1	1	1	1	1
C703			ELECTROLYTIC CAP 4.7UF/50V M	1	1	1	1	1	1	1	1	1
C707			ELECTROLYTIC CAP 0.22UF/50V M	1	1	1	1	1	1	1	1	1
C708			ELECTROLYTIC CAP 0.47UF/50V M	1	1	1	1	1	1	1	1	1
C709			ELECTROLYTIC CAP 0.47UF/50V M	1	1	1	1	1	1	1	1	1
C710			ELECTROLYTIC CAP 0.47UF/50V M	1	1	1	1	1	1	1	1	1
C711			ELECTROLYTIC CAP 470UF/10V M	1	1	1	1	1	1	1	1	1
C713			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
C715			ELECTROLYTIC CAP 4.7UF/50V M	1	1	1	1	1	1	1	1	1
C716			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C719			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C723			CHIP CERAMIC CAP (MELF) Y K 1000PF/35V	1	1	1	1	1	1	1	1	1
C724			ELECTROLYTIC CAP 47UF/10V M	1	1	1	1	1	1	1	1	1
C851			ELECTROLYTIC CAP 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1
C855			ELECTROLYTIC CAP 220UF/6.3V M H7	1	1	1	1	1	1	1	1	1
C856			CERAMIC CAP B K 470PF/100V	1	1	1	1	1	1	1	1	1
C857			FILM CAP (P) 0.018UF/100V J	1	1	1	1	1	1	1	1	1
C858			CHIP CERAMIC CAP B K 1500PF/50V	1	1	1	1	1	1	1	1	1
C859			CHIP CERAMIC CAP (MELF) SL J 33PF/50V	1	1	1	1	1	1	1	1	1
C860			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1			
C860			ELECTROLYTIC CAP 22UF/50V M							1	1	1
C861			CERAMIC CAP (AX) X M 1800PF/16V	1	1	1	1	1	1	1	1	1
C862			ELECTROLYTIC CAP 10UF/25V M H7	1	1	1	1	1	1	1	1	1
C863			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C864			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C865			CHIP CERAMIC CAP (1608) B K 0.022UF/50V	1	1	1	1	1	1	1	1	1
C866			ELECTROLYTIC CAP 33UF/10V H7	1	1	1	1	1	1	1	1	1
C867			ELECTROLYTIC CAP 4.7UF/50V M H7	1	1	1	1	1	1	1	1	1
C869			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C870			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V							1	1	1
C871			CHIP CERAMIC CAP (MELF) B K 180PF/50V	1	1	1	1	1	1	1	1	1
C872			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
C873			CHIP CERAMIC CAP (MELF) B K 150PF/50V							1	1	1
C874			CHIP CERAMIC CAP (1608) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1
C875			CHIP CERAMIC CAP CH J 220PF/50V	1	1	1	1	1	1	1	1	1
C876			CHIP CERAMIC CAP (1608) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C877			ELECTROLYTIC CAP 100UF/6.3V H7	1	1	1	1	1	1	1	1	1
CF101		9965 000 13835	CERAMIC RESONATOR 4.433MHZ							1	1	
			CONNECTORS									
CL301A		9965 000 13836	LEAD WIRE 4P/300	1	1	1	1	1	1	1	1	1
CL302A		9965 000 24178	LEAD WIRE 7P/190	1	1	1	1	1	1	1	1	1
CL603A		9965 000 24179	LEAD WIRE 12P/190	1	1	1	1	1	1	1	1	1
CL604		9965 000 18088	WIRE ASSEMBLY 1P/45	1	1	1	1	1	1	1	1	1
CN201		9965 000 13840	FFC/FPC CONNECTOR, 12P 04 6232 112 103 800	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	**12 NC**	**Description**									
CN303		9965 000 13841	CONNECTOR BASE, 5P TUC-P05P-B1	1	1	1	1	1	1	1	1	1
CN751		9965 000 13842	CONNECTOR BASE, 8P TUC-P08P-B1	1	1	1	1	1	1	1	1	1
CN752		9965 000 13843	CONNECTOR BASE, 6P TUC-P06P-B1	1	1	1	1	1	1	1	1	1
CN804		9965 000 13844	STRAIGHT CONNECTOR BASE 00 8283 0212 00 000	1	1	1	1	1	1	1	1	1
			DIODES									
D151	▲	9965 000 13848	ZENER DIODE MTZJT-777 5B	1	1	1	1	1	1	1	1	1
D152	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D201		9965 000 05250	LED SIR-563ST3F P	1	1	1	1	1	1	1	1	1
D202		9965 000 13846	LED(RED) L-1513EC	1	1	1	1	1	1	1	1	1
D204		9965 000 13846	LED(RED) L-1513EC	1	1	1	1	1	1	1	1	1
D205		4822 130 33948	ZENER DIODE MTZJT-775 6B	1	1	1	1	1	1	1	1	1
D206			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
D210		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D211		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D212		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D213		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D214		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D302		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D303		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D304		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D305		9965 000 11153	ZENER DIODE MTZJT-778 2B	1	1	1	1	1	1	1	1	1
D306		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D401	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D402		9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
D471			PCB JUMPER D0.6-P5.0									1
D681			PCB JUMPER D0.6-P10.0							1	1	1
D682	▲		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1			
D682	▲	9965 000 13847	DIODE 1N5397-B							1	1	1
D686		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D687		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D688	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D691	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D694		9965 000 18091	ZENER DIODE MTZJT-7715B	1	1	1	1	1	1	1	1	1
D695		9965 000 23556	ZENER DIODE MTZJT-776.8B	1	1	1	1	1	1	1	1	1
D696		9965 000 13882	ZENER DIODE MTZJT-7718B	1	1	1	1	1	1	1	1	1
D697		9965 000 24180	ZENER DIODE MTZJT-779.1B	1	1	1	1	1	1	1	1	1
D705		9965 000 23556	ZENER DIODE MTZJT-776.8B	1	1	1	1	1	1	1	1	1
D706		9965 000 12904	ZENER DIODE DZ-5 1BSBT265	1	1	1	1	1	1	1	1	1
D707		9965 000 23556	ZENER DIODE MTZJT-776.8B	1	1	1	1	1	1	1	1	1
D709		9965 000 23556	ZENER DIODE MTZJT-776.8B	1	1	1	1	1	1	1	1	1
D711		4822 130 33948	ZENER DIODE MTZJT-775.6B	1	1	1	1	1	1	1	1	1
D712		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D713		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D715		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D716		9965 000 18091	ZENER DIODE MTZJT-7715B	1	1	1	1	1	1	1	1	1
			IC's									
IC101	▲	9965 000 12198	IC VPS/PDC SLICER LC74793JM-TRM							1	1	
IC151	▲	9965 000 13853	AUDIO AMP LA4224	1	1	1	1	1	1	1	1	1
IC201	▲	9965 000 24181	MICRO COMPUTER M3776AMCA-BA3GP	1	1	1	1	1	1			
IC201	▲	9965 000 24201	MICRO COMPUTER M3776AMFA-BA4GP							1	1	1
IC202	▲	9965 000 13030	IC MEMORY BR24C04F-W	1	1	1	1	1	1	1	1	1
IC301	▲	9965 000 18093	IC CHROMA/IF 1 CHIP M61209BFP	1	1	1	1	1	1	1	1	1
IC401	▲	9965 000 12180	IC Y/C/A LA71750EM-MPB-E	1	1	1	1	1	1	1	1	1
IC471	▲	9965 000 12255	IC SECAM LA70100M-MPB									1
IC681	▲	9965 000 13851	VOLTAGE REGULATOR KIA7805API	1	1	1	1	1	1	1	1	1
IC701	▲	9965 000 13852	IC SWITCH TC4053BF(N)	1	1	1	1	1	1	1	1	1
IC702	▲	9965 000 13852	IC SWITCH TC4053BF(N)							1	1	1
IC703	▲	9965 000 13852	IC SWITCH TC4053BF(N)	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	**12 NC**	**Description**									
			COILS									
L001			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
L151		9965 000 18094	INDUCTOR 1.8UH-J-26T	1	1	1	1	1	1	1	1	1
L152		9965 000 13856	INDUCTOR 1.0UH-J-26T	1	1	1	1	1	1	1	1	1
L201		9965 000 13857	INDUCTOR 0.10UH-K-26T	1	1	1	1	1	1	1	1	1
L302		9965 000 13858	INDUCTOR 33UH-J-26T	1	1	1	1	1	1	1	1	1
L303			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L304			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L305			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
L401			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
L402		9965 000 13858	INDUCTOR 33UH-J-26T	1	1	1	1	1	1	1	1	1
L403		4822 157 10649	INDUCTOR 100UH-J-26T	1	1	1	1	1	1	1	1	1
L681			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L682			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L701		9965 000 13860	INDUCTOR 12UH-J-26T	1	1	1	1	1	1	1	1	1
L702			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
L852		9965 000 05705	INDUCTOR 47UH-K-5FT	1	1	1	1	1	1	1	1	1
L854		9965 000 18095	INDUCTOR 0.22UH-K-26T	1	1	1	1	1	1	1	1	1
			TRANSISTORS									
Q204		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q205		9965 000 20922	PHOTO TRANSISTOR MID-32A22F	1	1	1	1	1	1			
Q205		9965 000 20922	PHOTO TRANSISTOR MID-32A22F							1	1	1
Q206		4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1	1	1
Q401		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1	1	1
Q681	▲	9965 000 13862	TRANSISTOR 2SB892(S)							1	1	1
Q682		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q683		9965 000 23377	RES. BUILT-IN TRANSISTOR KRC103M							1	1	1
Q684		4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1
Q685	▲	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q686	▲	9965 000 13863	TRANSISTOR 2SD1913(R)	1	1	1	1	1	1	1	1	1
Q701		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q702		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q703		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1	1	1
Q704		4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1	1	1
Q705			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
Q706		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q707		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q708		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q709		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q710		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q711		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1	1	1
Q851		4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1	1	1
Q852		4822 130 10097	TRANSISTOR 2SC3331(T)	1	1	1	1	1	1	1	1	1
Q853		4822 130 10097	TRANSISTOR 2SC3331(T)	1	1	1	1	1	1	1	1	1
Q854		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1	1	1
Q855		4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1
Q856		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
			RESISTORS									
R003			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R004			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R101			CHIP RES (1608) 1/10W J 10K OHM							1	1	
R102			CHIP RES (1608) 1/10W J 2.7K OHM							1	1	
R103			CHIP RES (1608) 1/10W J 5.6K OHM							1	1	
R104			CHIP RES (1608) 1/10W J 10K OHM							1	1	
R106			CHIP RES (1608) 1/10W J 10K OHM							1	1	
R107			CHIP RES (1608) 1/10W J 100 OHM							1	1	
R108			CHIP RES (1608) 1/10W J 100 OHM							1	1	
R151	▲	9965 000 24182	METAL OXIDE FILM RES. 1W J 12 OHM	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R152	▲	9965 000 09940	CHIP RES (1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1	1	1
R153			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R154			CHIP RES (1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1	1	1
R155			CARBON RES 1/4W J 47 OHM	1	1	1	1	1	1	1	1	1
R156			CARBON RES 1/4W J 47 OHM	1	1	1	1	1	1	1	1	1
R157			CARBON RES 1/4W J 10 OHM	1	1	1	1	1	1	1	1	1
R201			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R202			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R203			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R204			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R205			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R206			CHIP RES (1608) 1/10W J 390K OHM	1	1	1	1	1	1	1	1	1
R207			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R208			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R209			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R210			CARBON RES 1/4W G 4.7K OHM	1	1	1	1	1	1	1	1	1
R211			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R212			CHIP RES (1608) 1/10W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R213			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R214			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R215			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R216			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R217			CHIP RES (1608) 1/10W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R218			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R219			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R220			CHIP RES (1608) 1/10W J 390K OHM	1	1	1	1	1	1	1	1	1
R221			CARBON RES 1/4W J 270 OHM	1	1	1	1	1	1	1	1	1
R222			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R223			CHIP RES (1608) 1/10W J 680 OHM	1	1	1	1	1	1	1	1	1
R224			CHIP RES (1608) 1/10W J 680 OHM	1	1	1	1	1	1	1	1	1
R226			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	
R227			CHIP RES (1608) 1/10W J 47 OHM	1	1	1	1	1	1	1	1	1
R228			CHIP RES (1608) 1/10W J 100K OHM	1	1	1	1	1	1	1	1	1
R229			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R230			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R231			CHIP RES (1608) 1/10W J 330K OHM	1	1	1	1	1	1	1	1	1
R232			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R233			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R234			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R235			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R236			CHIP RES (1608) 1/10W J 470 OHM	1	1	1	1	1	1	1	1	1
R237			CHIP RES (1608) 1/10W J 1M OHM	1	1	1	1	1	1	1	1	1
R238			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R239			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R240			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R241			CHIP RES (1608) 1/10W J 220 OHM	1	1	1	1	1	1	1	1	1
R242			CHIP RES (1608) 1/10W J 220 OHM	1	1	1	1	1	1	1	1	1
R243			CHIP RES (1608) 1/10W J 39K OHM	1	1	1	1	1	1	1	1	1
R244			CHIP RES (1608) 1/10W J 220K OHM	1	1	1	1	1	1	1	1	1
R248			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R249			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R250			CHIP RES (1608) 1/10W J 33K OHM	1	1	1	1	1	1	1	1	1
R251			CHIP RES (1608) 1/10W J 33K OHM							1	1	1
R252			CARBON RES 1/4W J 180 OHM							1	1	1
R254			CHIP RES (1608) 1/10W J 100K OHM	1	1	1	1	1	1	1	1	1
R255			CHIP RES (1608) 1/10W J 680 OHM	1	1	1	1	1	1	1	1	1
R256			CHIP RES (1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R257			CARBON RES 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R258			CARBON RES 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1
R259			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R260			CARBON RES 1/4W G 1.5K OHM	1	1	1	1	1	1	1	1	1
R261			CARBON RES 1/4W G 22K OHM	1	1	1	1	1	1	1	1	1
R262			CARBON RES 1/4W G 470 OHM	1	1	1	1	1	1	1	1	1
R263			CARBON RES 1/4W G 10K OHM	1	1	1	1	1	1	1	1	1
R264			CARBON RES 1/4W G 3.6K OHM	1	1	1	1	1	1	1	1	1
R265			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R266			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R267			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R268			CHIP RES (1608) 1/10W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R269			CHIP RES (1608) 1/10W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R270			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R271			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R272			CHIP RES (1608) 1/10W J 18K OHM	1	1	1	1	1	1	1	1	1
R273			CHIP RES (1608) 1/10W J 18K OHM	1	1	1	1	1	1	1	1	1
R274			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R275			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R276			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R277			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R278			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R279			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R280			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R281			CHIP RES (1608) 1/10W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R282			CARBON RES 1/4W J 330 OHM	1	1	1	1	1	1	1	1	1
R288			CHIP RES (1608) 1/10W J 10 OHM	1	1	1	1	1	1	1	1	1
R289			CHIP RES (1608) 1/10W J 10 OHM	1	1	1	1	1	1	1	1	1
R301			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R302			CHIP RES (1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1	1	1
R303			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R304			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R305			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R306			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R307			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R308			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R309			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R310			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R311			CARBON RES 1/4W J 12 OHM	1	1	1	1	1	1	1	1	1
R312			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R313			CHIP RES (1608) 1/10W J 220K OHM	1	1	1	1	1	1	1	1	1
R314			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R315			CHIP RES (1608) 1/10W J 150K OHM	1	1	1	1	1	1	1	1	1
R316			CARBON RES 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1
R317			CARBON RES 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1
R318			CHIP RES (1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1	1	1
R320			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R321			CHIP RES (1608) 1/10W J 220 OHM	1	1	1	1	1	1	1	1	1
R322			CHIP RES (1608) 1/10W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R323			CHIP RES (1608) 1/10W J 15K OHM	1	1	1	1	1	1	1	1	1
R324			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R325			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R326			CHIP RES (1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1	1	1
R327			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R332			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R333			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R334			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R335			CARBON RES 1/4W J 100 OHM	1	1	1	1	1	1	1	1	1
R336			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R339			CHIP RES (1608) 1/10W 0 OHM	1	1	1	1	1	1	1	1	1
R340			CHIP RES (1608) 1/10W 0 OHM	1	1	1	1	1	1	1	1	1
R401			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R402			CHIP RES (1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1	1	1
R405			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R406			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R407			CHIP RES (1608) 1/10W J 390K OHM	1	1	1	1	1	1	1	1	1
R408			CHIP RES (1608) 1/10W J 330 OHM	1	1	1	1	1	1	1	1	1
R409			CHIP RES (1608) 1/10W J 330 OHM	1	1	1	1	1	1	1	1	1
R410			CHIP RES (1608) 1/10W J 220 OHM	1	1	1	1	1	1	1	1	1
R411			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R412			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R413			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R414			CHIP RES (1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1	1	1
R415			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R416			CHIP RES (1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R418			CHIP RES (1608) 1/10W J 56K OHM	1	1	1	1	1	1	1	1	1
R420			CHIP RES (1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R422			CHIP RES (1608) 1/10W J 120 OHM	1	1	1	1	1	1	1	1	1
R423			CHIP RES (1608) 1/10W J 47 OHM	1	1	1	1	1	1	1	1	1
R424			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R425			CHIP RES (1608) 1/10W 0 OHM	1	1	1	1	1	1	1	1	1
R426			CHIP RES (1608) 1/10W 0 OHM	1	1	1	1	1	1	1	1	1
R471			CHIP RES (1608) 1/10W J 2.2K OHM									1
R681			CARBON RES 1/4W J 47K OHM							1	1	1
R682			CARBON RES 1/4W J 680 OHM							1	1	1
R683			METAL OXIDE FILM RES 1W J 2.2 OHM	1	1	1	1	1	1	1	1	1
R684			CHIP RES (1608) 1/10W J 10 OHM	1	1	1	1	1	1	1	1	1
R685			CARBON RES 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1
R686			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R687			CARBON RES 1/4W J 680 OHM							1	1	1
R689	▲	9965 000 20938	CARBON RES 1/4W J 82 OHM	1	1	1	1	1	1	1	1	1
R690	▲	9965 000 20938	CARBON RES 1/4W J 82 OHM	1	1	1	1	1	1	1	1	1
R691	▲	9965 000 24183	CARBON RES 1/4W J 2.7 OHM	1	1	1	1	1	1	1	1	1
R692			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R693	▲	9965 000 23544	CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R694			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R695	▲	9965 000 24183	CARBON RES 1/4W J 2.7 OHM	1	1	1	1	1	1	1	1	1
R696			METAL OXIDE FILM RES 1W J 2.2 OHM	1	1	1	1	1	1	1	1	1
R697			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R698			CHIP RES (1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1	1	1
R701			CHIP RES (1608) 1/10W J 75 OHM	1	1	1	1	1	1	1	1	1
R702			CHIP RES (1608) 1/10W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R703			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R704			CARBON RES 1/4W J 3.3K OHM	1	1	1	1	1	1	1	1	1
R707			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R709			CHIP RES (1608) 1/10W J 75 OHM	1	1	1	1	1	1	1	1	1
R710			CHIP RES (1608) 1/10W J 33K OHM	1	1	1	1	1	1	1	1	1
R711			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R712			CARBON RES 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R714			CHIP RES (1608) 1/10W J 75 OHM	1	1	1	1	1	1	1	1	1
R723			CHIP RES (1608) 1/10W J 75 OHM	1	1	1	1	1	1	1	1	1
R724			CHIP RES (1608) 1/10W J 33K OHM	1	1	1	1	1	1	1	1	1
R725			CARBON RES 1/4W J 75 OHM	1	1	1	1	1	1	1	1	1
R726			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R727			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R728			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R729			CHIP RES (1608) 1/10W J 47K OHM	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R730			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R731			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R732			CARBON RES 1/4W J 75 OHM	1	1	1	1	1	1	1	1	1
R733			CARBON RES 1/4W J 390 OHM	1	1	1	1	1	1	1	1	1
R737			CHIP RES (1608) 1/10W J 75 OHM	1	1	1	1	1	1	1	1	1
R738			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R739			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R740			CHIP RES (1608) 1/10W J 33K OHM	1	1	1	1	1	1	1	1	1
R741			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R742			CHIP RES (1608) 1/10W J 47K OHM	1	1	1	1	1	1	1	1	1
R743			CHIP RES (1608) 1/10W J 6.2K OHM	1	1	1	1	1	1	1	1	1
R744			CHIP RES (1608) 1/10W J 47K OHM	1	1	1	1	1	1	1	1	1
R745			CHIP RES (1608) 1/10W J 6.2K OHM	1	1	1	1	1	1	1	1	1
R746			CHIP RES (1608) 1/10W J 47K OHM	1	1	1	1	1	1	1	1	1
R747			CHIP RES (1608) 1/10W J 6.2K OHM	1	1	1	1	1	1	1	1	1
R748			CHIP RES (1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R749			CHIP RES (1608) 1/10W J 10K OHM	1	1	1	1	1	1	1	1	1
R751			CHIP RES (1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R752			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R753			CARBON RES 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R754			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R755			CHIP RES (1608) 1/10W J 470 OHM	1	1	1	1	1	1	1	1	1
R756			CHIP RES (1608) 1/10W J 1K OHM	1	1	1	1	1	1	1	1	1
R757			CHIP RES (1608) 1/10W J 1M OHM	1	1	1	1	1	1	1	1	1
R851			CHIP RES (1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1	1	1
R852			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R853			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R854			CHIP RES (1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R856			CARBON RES 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1
R857			CARBON RES 1/4W J 100 OHM	1	1	1	1	1	1	1	1	1
R858			CARBON RES 1/4W J 820 OHM	1	1	1	1	1	1	1	1	1
R859			CHIP RES (1608) 1/10W J 680 OHM	1	1	1	1	1	1	1	1	1
R860			CHIP RES (1608) 1/10W J 22K OHM	1	1	1	1	1	1	1	1	1
R861			CHIP RES (1608) 1/10W J 330K OHM	1	1	1	1	1	1	1	1	1
R862			CHIP RES (1608) 1/10W J 12K OHM	1	1	1	1	1	1	1	1	1
R863			CHIP RES (1608) 1/10W J 120 OHM	1	1	1	1	1	1	1	1	1
R864			CHIP RES (1608) 1/10W J 560 OHM	1	1	1	1	1	1	1	1	1
R865			CHIP RES (1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R866			CHIP RES (1608) 1/10W J 12K OHM	1	1	1	1	1	1	1	1	1
R867			CHIP RES (1608) 1/10W J 100 OHM	1	1	1	1	1	1	1	1	1
R869			CHIP RES (1608) 1/10W J 2.7K OHM	1	1	1	1	1	1			
R869			CHIP RES (1608) 1/10W J 3.3K OHM							1	1	1
R870			CHIP RES (1608) 1/10W J 56K OHM	1	1	1	1	1	1	1	1	1
R871			CHIP RES (1608) 1/10W J 1M OHM	1	1	1	1	1	1	1	1	1
R873			CHIP RES (1608) 1/10W J 3.3K OHM							1	1	1
R874			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R875			CHIP RES (1608) 1/10W J 56K OHM							1	1	1
R876			CHIP RES (1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1	1	1
R877			CHIP RES (1608) 1/10W J 15K OHM	1	1	1	1	1	1	1	1	1
R878			CHIP RES (1608) 1/10W J 12K OHM	1	1	1	1	1	1	1	1	1
R879			CHIP RES (1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1	1	1
R884			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
RS201		9965 000 10857	REMOTE RECEIVER PIC-37042LU	1	1	1	1	1	1	1	1	1
			SWITCHES									
SW201		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW202		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW203		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW204		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
SW205		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW206		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW207		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW208		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW209		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW210		9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1
SW211		9965 000 12192	LEAF SWITCH MXS00052MPP0	1	1	1	1	1	1	1	1	1
SW212		9965 000 16626	ROTARY MODE SWITCH SSS-50MD	1	1	1	1	1	1	1	1	1
			MISCELLANEOUS									
JK151		9965 000 13855	HEADPHONE JACK MSJ-035-10A B	1	1	1	1	1	1	1	1	1
JK701		4822 265 11659	RCA JACK(YELLOW) MSP-281V4-B	1	1	1	1	1	1	1	1	1
JK702		4822 265 11661	RCA JACK(WHITE) MSP-281V1-B	1	1	1	1	1	1	1	1	1
JK703		9965 000 13854	SKIRT JACK 21P HRC-21V-02P	1	1	1	1	1	1	1	1	1
PI201		9965 000 12189	PHOTO INTERRUPTER RPI-302C70							1	1	1
TB3		9965 000 18113	HEAD SHIELD S T6400RA	1	1	1	1	1	1	1	1	1
TB7		9965 000 18114	LED HOLDER T6400RA	1	1	1	1	1	1	1	1	1
TB15		9965 000 12173	ROHM HOLDER H7770JD							1	1	1
TB21		9965 000 08566	BUSH, LED(F) H3700UD	1	1	1	1	1	1	1	1	1
TP001			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
TP002			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
TP003			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
TP007			PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1
TP008			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
TP009			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
TP010			PCB JUMPER D0.6-P22.5	1	1	1	1	1	1	1	1	1
X201		9965 000 09200	X'TAL 32.768KHZ(20PPM)	1	1	1	1	1	1	1	1	1
X202		9965 000 12194	X'TAL 12.000MHZ	1	1	1	1	1	1	1	1	1
X301		9965 000 13869	X'TAL 4.433619MHZ	1	1	1	1	1	1	1	1	1
X401		9965 000 05629	X'TAL 4.433619MHZ	1	1	1	1	1	1	1	1	1
1005/ TU001		3143 027 10311	TUN 04 IF V+U PLL SPLI BGDKIL									1
1005/ TU001		3143 027 10331	TUN 04 IF V+U PLL IEC BGDKI	1	1	1	1	1	1			
1005/ TU001		3143 027 10291	TUN 04 IF V+U PLL SPLIT BGDKI							1	1	
1006/ TU002		3143 027 10301	TUN 04 IF V+U PLL PHONO BGDKI							1	1	
1006/ TU002		3143 027 10321	TUN 04 IF V+U PLL PHON BGDKIL									1
5000		3143 021 00011	COI DEGAUS FUNAI	1	1	1	1	1	1	1	1	1
8000		3143 021 00031	EARTH CABLE	1	1	1	1	1	1	1	1	1
8016		2422 070 98211	MAINSCORD EUR 2A5 1M7 JH BK B	1		1	1		1	1		1
8016		2422 070 98218	MAINSCORD UK 5A 1M8 BK B		1			1			1	
8200		3143 021 00021	TUNER CABLE							1	1	1
			JUNCTION A CBA									
CN603		9965 000 24184	CONNECTOR 12P TUC-P12X-B1	1	1	1	1	1	1	1	1	1
			JUNCTION B CBA									
CN302		9965 000 13872	CONNECTOR, 7P TUC-P07X-B1	1	1	1	1	1	1	1	1	1
			JUNCTION C CBA									
CN301		9965 000 05261	CONNECTOR 4P TUC-P04X-B1	1	1	1	1	1	1	1	1	1
			SENSOR CBA									
Q201		9965 000 20922	PHOTO TRANSISTOR MID-32A22F	1	1	1	1	1	1	1	1	1
Q202		9965 000 20922	PHOTO TRANSISTOR MID-32A22F	1	1	1	1	1	1	1	1	1
			POWER CBA									
			Consists of the following									
			H.V./POWER SUPPLY CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			CRT CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
			H.V./POWER SUPPLY CBA	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
			CAPACITORS									
C551			ELECTROLYTIC CAP 2.2UF/50V M LL	1	1	1	1	1	1	1	1	1
C552			ELECTROLYTIC CAP 1000UF/25V M	1	1	1	1	1	1	1	1	1
C553			CERAMIC CAP (AX) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C554			ELECTROLYTIC CAP 220UF/25V M	1	1	1	1	1	1	1	1	1
C555			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C556			ELECTROLYTIC CAP 2.2UF/50V M	1	1	1	1	1	1	1	1	1
C558			FILM CAP (P) 0.047UF/50V J	1	1	1	1	1	1	1	1	1
C559	▲	9965 000 22652	CERAMIC CAP R K 680PF/2KV(HR)	1	1	1	1	1	1	1	1	1
C560	▲	9965 000 22648	P P CAP 0.0082UF/1.6K J	1	1	1	1	1	1	1	1	1
C561			FILM CAP (P) 0.01UF/50V J	1	1	1	1	1	1	1	1	1
C562			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C565	▲	9965 000 24185	ELECTROLYTIC CAP 47UF/160V M W/F	1	1	1	1	1	1	1	1	1
C567			ELECTROLYTIC CAP 1UF/160V M	1	1	1	1	1	1	1	1	1
C569	▲	9965 000 22656	ELECTROLYTIC CAP 4.7UF/250V M	1	1	1	1	1	1	1	1	1
C570	▲	9965 000 13908	ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C572	▲	4822 124 81151	ELECTROLYTIC CAP 22UF/50V M	1	1	1	1	1	1	1	1	1
C575	▲	9965 000 24186	P P CAP 0.33UF/200V J	1	1	1	1	1	1	1	1	1
C602	▲	2020 554 90173	SAFETY CAP 2200PF/250V KX	1	1	1	1	1	1	1	1	1
C604	▲	9965 000 14280	METALLIZED FILM CAP 0.1UF/250V	1	1	1	1	1	1	1	1	1
C611	▲	9965 000 13677	ELECTROLYTIC CAP 100UF/400V M	1	1	1	1	1	1	1	1	1
C613			FILM CAP (P) 0.039UF/50V J	1	1	1	1	1	1	1	1	1
C614			FILM CAP (P) 0.0012UF/50V J	1	1	1	1	1	1	1	1	1
C615	▲	9965 000 22657	FILM CAP (P) 0.068UF/50V J	1	1	1	1	1	1	1	1	1
C616			CERAMIC CAP R K 220PF/2KV(HR)	1	1	1	1	1	1	1	1	1
C617			ELECTROLYTIC CAP 470UF/25V M							1	1	1
C618			ELECTROLYTIC CAP 1UF/50V M	1	1	1	1	1	1	1	1	1
C619			ELECTROLYTIC CAP 1000UF/16V M	1	1	1	1	1	1	1	1	1
C621			ELECTROLYTIC CAP 470UF/16V M	1	1	1	1	1	1	1	1	1
C622			ELECTROLYTIC CAP 1000UF/16V M	1	1	1	1	1	1	1	1	1
C624	▲	9965 000 22649	CERAMIC CAP (AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1
C625			ELECTROLYTIC CAP 470UF/35V M	1	1	1	1	1	1	1	1	1
C626			CERAMIC CAP R K 680PF/2KV(HR)	1	1	1	1	1	1	1	1	1
C627	▲	9965 000 22655	ELECTROLYTIC CAP 100UF/160V M	1	1	1	1	1	1	1	1	1
C629			CERAMIC CAP (AX) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1
C630			ELECTROLYTIC CAP 1000UF/6.3V M	1	1	1	1	1	1	1	1	1
C632			ELECTROLYTIC CAP 100UF/16V M	1	1	1	1	1	1	1	1	1
C633			ELECTROLYTIC CAP 47UF/25V M	1	1	1	1	1	1	1	1	1
C634			ELECTROLYTIC CAP 4.7UF/50V M	1	1	1	1	1	1	1	1	1
C636			ELECTROLYTIC CAP 100UF/10V M	1	1	1	1	1	1	1	1	1
			CONNECTORS									
CN551		9965 000 13876	CONNECTOR BASE, 5P TV-50P-05-V3	1	1	1	1	1	1	1	1	1
CN552		9965 000 13912	CONNECTOR BASE, 7P TUC-P07P-B1	1	1	1	1	1	1	1	1	1
CN601		9965 000 13877	CONNECTOR BASE, 2P TV-50P-02-V3	1	1	1	1	1	1	1	1	1
CN602		9965 000 24187	CONNECTOR BASE 12P TUC-P12P-B1	1	1	1	1	1	1	1	1	1
			DIODES									
D551		9965 000 13847	DIODE 1N5397-B	1	1	1	1	1	1	1	1	1
D553	▲	9965 000 11210	ZENER DIODE MTZJT-7720B	1	1	1	1	1	1	1	1	1
D554	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D555			PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1
D556	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D557	▲	9965 000 13880	DIODE FR104-B	1	1	1	1	1	1	1	1	1
D558	▲	9965 000 13880	DIODE FR104-B	1	1	1	1	1	1	1	1	1
D560	▲	9965 000 13881	ZENER DIODE MTZJT-7736B	1	1	1	1	1	1	1	1	1
D562		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D563		9965 000 12904	ZENER DIODE DZ-5.1BSBT265	1	1	1	1	1	1	1	1	1
D565	▲	9965 000 24188	ZENER DIODE MTZJT-7736A	1	1	1	1	1	1	1	1	1
D601	▲	9965 000 13883	DIODE 1N5399-B/P	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	**12 NC**	**Description**									
D602	▲	9965 000 13883	DIODE 1N5399-B/P	1	1	1	1	1	1	1	1	1
D603	▲	9965 000 13883	DIODE 1N5399-B/P	1	1	1	1	1	1	1	1	1
D604	▲	9965 000 13883	DIODE 1N5399-B/P	1	1	1	1	1	1	1	1	1
D605		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D609		4822 130 33948	ZENER DIODE MTZJT-775.6B	1	1	1	1	1	1	1	1	1
D610	▲	9965 000 18164	ZENER DIODE MTZJT-7724C	1	1	1	1	1	1			
D610	▲	9965 000 13884	ZENER DIODE MTZJT-7720C							1	1	1
D612	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D613	▲	9965 000 18235	RECTIFIER DIODE FR202-B/P							1	1	1
D614	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)							1	1	1
D615	▲	9965 000 13880	DIODE FR104-B	1	1	1	1	1	1	1	1	1
D616		9965 000 05695	ZENER DIODE MTZJT-7722B	1	1	1	1	1	1			
D616		9965 000 13882	ZENER DIODE MTZJT-7718B							1	1	1
D617	▲	4822 130 83194	SCHOTTKY BARRIER DIODE 11EQS04	1	1	1	1	1	1	1	1	1
D618	▲	4822 130 83194	SCHOTTKY BARRIER DIODE 11EQS04	1	1	1	1	1	1	1	1	1
D619	▲	4822 130 80601	SCHOTTKY BARRIER DIODE ERB81-004	1	1	1	1	1	1	1	1	1
D620	▲	9965 000 13880	DIODE FR104-B	1	1	1	1	1	1	1	1	1
D622	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D623	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D624	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D625	▲	9965 000 23556	ZENER DIODE MTZJT-776.8B	1	1	1	1	1	1	1	1	1
D626		9965 000 13885	FAST RECOVERY DIODE CA201-4	1	1	1	1	1	1	1	1	1
D627	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D629		4822 130 81729	ZENER DIODE MTZJT-7733C	1	1	1	1	1	1	1	1	1
D630		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D630		4822 130 30621	SWITCHING DIODE 1N4148	1	1	1	1	1	1	1	1	1
D631		9965 000 24189	ZENER DIODE MTZJT-776.2C	1	1	1	1	1	1	1	1	1
D634		9965 000 19520	CARBON RES 1/4W J 100 OHM	1	1	1	1	1	1	1	1	1
D635		9965 000 11153	ZENER DIODE MTZJT-778.2B	1	1	1	1	1	1	1	1	1
D636	▲	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D637		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D638		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
D641		9965 000 18091	ZENER DIODE MTZJT-7715B	1	1	1	1	1	1	1	1	1
D642		4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1
			IC's									
IC551	▲	9965 000 18120	VERTICAL OUTPUT IC LA78040A	1	1	1	1	1	1	1	1	1
IC601	▲	9965 000 23546	PHOTOCOUPLER PS2561L1-1-VL	1	1	1	1	1	1	1	1	1
			COILS									
L552			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L553	▲	9965 000 18121	CHOKE COIL 22UH-K	1	1	1	1	1	1	1	1	1
L554	▲		PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1
L601	▲	9965 000 24190	LINE FILTER ELF15N005A	1	1	1	1	1	1	1	1	1
L603		9965 000 05627	CHOKE COIL 47UH-K	1	1	1	1	1	1	1	1	1
			TRANSISTORS									
Q551	▲	9965 000 13897	TRANSISTOR TT2084LS-YB11	1	1	1	1	1	1	1	1	1
Q553		9965 000 13899	TRANSISTOR 2SC1627Y-TPE2	1	1	1	1	1	1	1	1	1
Q554	▲	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q602	▲	9965 000 13901	MOS FET 2SK2647	1	1	1	1	1	1	1	1	1
Q603	▲	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1
Q604	▲	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
Q605		4822 130 63665	TRANSISTOR 2SA950(O)	1	1	1	1	1	1	1	1	1
Q606	▲	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1
Q607	▲	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1
Q608		9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1
			RESISTORS									
R550	▲	9965 000 14867	CARBON RES 1/4W J 680K OHM	1	1	1	1	1	1	1	1	1
R551			CARBON RES 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1
R552			CARBON RES 1/4W J 3.3K OHM	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R553			CARBON RES 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1
R554	▲	9965 000 22680	CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R555			CARBON RES 1/4W J 8.2 OHM	1	1	1	1	1	1	1	1	1
R556			CARBON RES 1/4W J 8.2 OHM	1	1	1	1	1	1	1	1	1
R557	▲	9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
R558	▲		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R559	▲	9965 000 19516	CARBON RES 1/4W J 1 OHM	1	1	1	1	1	1	1	1	1
R560	▲	9965 000 19516	CARBON RES 1/4W J 1 OHM	1	1	1	1	1	1	1	1	1
R561	▲	9965 000 24191	CARBON RES 1/4W J 2.2 OHM	1	1	1	1	1	1	1	1	1
R564	▲	9965 000 14871	CARBON RES 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1
R565			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R566			CARBON RES 1/4W J 470 OHM	1	1	1	1	1	1	1	1	1
R568			CARBON RES 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1
R569			CARBON RES 1/4W J 270 OHM	1	1	1	1	1	1	1	1	1
R572			CARBON RES 1/4W J 390 OHM	1	1	1	1	1	1	1	1	1
R574			CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R576	▲	9965 000 24192	CARBON RES 1/4W J 39 OHM	1	1	1	1	1	1	1	1	1
R577	▲	9965 000 24193	METAL OXIDE FILM RES 2W J 560 OHM	1	1	1	1	1	1	1	1	1
R578	▲	9965 000 24192	CARBON RES 1/4W J 39 OHM	1	1	1	1	1	1	1	1	1
R579	▲	9965 000 19602	CARBON RES 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1
R580	▲	9965 000 24192	CARBON RES 1/4W J 39 OHM	1	1	1	1	1	1	1	1	1
R581			CARBON RES 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1
R583			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R584	▲	9965 000 22680	CARBON RES 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1
R585	▲	9965 000 22662	CARBON RES 1/4W J 180K OHM	1	1	1	1	1	1	1	1	1
R586			CARBON RES 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1
R587			CARBON RES 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1
R588	▲	9965 000 22684	CARBON RES 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1
R589	▲	9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
R590	▲	9965 000 22674	METAL OXIDE FILM RES 2W J 2.2 OHM	1	1	1	1	1	1	1	1	1
R591	▲	9965 000 22684	CARBON RES 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1
R592	▲	9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
R593			CARBON RES 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1
R594			CARBON RES 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R595			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R596			CARBON RES 1/4W J 8.2 OHM	1	1	1	1	1	1	1	1	1
R597	▲	9965 000 24194	CARBON RES 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1
R598	▲	9965 000 22667	CARBON RES 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1
R601	▲	9965 000 22668	ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1
R602	▲	9965 000 22668	ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1
R603	▲	9965 000 22668	ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1
R604	▲	9965 000 24195	CEMENT RESISTOR 5W J 1.8 OHM	1	1	1	1	1	1	1	1	1
R605			CARBON RES 1/4W J 56 OHM	1	1	1	1	1	1	1	1	1
R611			CARBON RES 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1
R612			CARBON RES 1/4W J 220 OHM	1	1	1	1	1	1			
R612			CARBON RES 1/4W J 180 OHM							1	1	1
R613			CARBON RES 1/4W J 390K OHM	1	1	1	1	1	1			
R615			CARBON RES 1/4W J 1.5K OHM	1	1	1	1	1	1			
R615			CARBON RES 1/4W J 1K OHM							1	1	1
R616	▲	9965 000 22663	CARBON RES 1/4W J 22 OHM	1	1	1	1	1	1	1	1	1
R617	▲	9965 000 14278	CEMENT RESISTOR 5W J 0.68 OHM	1	1	1	1	1	1	1	1	1
R618			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R619			CARBON RES 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R620	▲	9965 000 24196	CARBON RES 1/4W J 820K OHM	1	1	1	1	1	1	1	1	1
R621			CARBON RES 1/4W J 560K OHM	1	1	1	1	1	1	1	1	1
R622			CARBON RES 1/4W J 680K OHM	1	1	1	1	1	1	1	1	1
R624			CARBON RES 1/4W J 680K OHM	1	1	1	1	1	1	1	1	1
R625	▲	9965 000 15270	CARBON RES 1/4W J 1.2K OHM							1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
R626	▲	9965 000 15270	CARBON RES 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1
R627			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R628	▲	9965 000 19514	CARBON RES 1/4W J 820 OHM	1	1	1	1	1	1	1	1	1
R631	▲	9965 000 22687	CARBON RES 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1
R632	▲	9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
R633	▲	9965 000 19518	CARBON RES 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1
R634	▲	9965 000 19518	CARBON RES 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1
R635	▲	9965 000 22682	CARBON RES 1/4W J 180 OHM	1	1	1	1	1	1	1	1	1
R636	▲	9965 000 14870	CARBON RES 1/4W G 1K OHM	1	1	1	1	1	1	1	1	1
R637	▲	9965 000 23547	CARBON RES 1/4W G 5.6K OHM	1	1	1	1	1	1	1	1	1
R638	▲	9965 000 23549	CARBON RES 1/4W G 39K OHM	1	1	1	1	1	1	1	1	1
R639	▲	9965 000 23549	CARBON RES 1/4W G 39K OHM	1	1	1	1	1	1	1	1	1
R640	▲	9965 000 22686	CARBON RES 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R641	▲	9965 000 24197	METAL OXIDE FILM RES 1W J 1K OHM	1	1	1	1	1	1	1	1	1
R642	▲	9965 000 09896	CARBON RES 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1
R643	▲	9965 000 22686	CARBON RES 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R644	▲	9965 000 22686	CARBON RES 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R645	▲	9965 000 22667	CARBON RES 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1
R646	▲	9965 000 22660	CARBON RES 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1
R647	▲	9965 000 22686	CARBON RES 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1
R649	▲	9965 000 22688	CARBON RES 1/4W J 390 OHM	1	1	1	1	1	1	1	1	1
R651			CARBON RES 1/4W J 100 OHM	1	1	1	1	1	1	1	1	1
R652	▲		PCB JUMPER D0.6-P15.0	1	1	1	1	1	1	1	1	1
R653	▲	9965 000 22681	CARBON RES 1/4W J 150 OHM	1	1	1	1	1	1	1	1	1
R654	▲	9965 000 22664	CARBON RES 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1
R655			CARBON RES 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1
R656			CARBON RES 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1
R657	▲	9965 000 22683	CARBON RES 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1
R658	▲	9965 000 22670	METAL OXIDE FILM RES 2W J 10K OHM	1	1	1	1	1	1	1	1	1
R659	▲	9965 000 22670	METAL OXIDE FILM RES 2W J 10K OHM	1	1	1	1	1	1	1	1	1
R660			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
R661			CARBON RES 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1
R662			CARBON RES 1/4W J 820K OHM	1	1	1	1	1	1	1	1	1
R663			CARBON RES 1/4W J 47 OHM	1	1	1	1	1	1	1	1	1
SW601	▲	9965 000 13902	POWER SWITCH SDKVA30100	1	1	1	1	1	1	1	1	1
BC551		9965 000 13874	BEAD INDUCTORS FBA04HA600VB-00	1	1	1	1	1	1	1	1	1
BC602		9965 000 13875	BEAD INDUCTORS FBR07HA121TB-00	1	1	1	1	1	1	1	1	1
BC604			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
BC605			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1
			MISCELLANEOUS									
CL501A		9965 000 18126	LEAD WIRE 3P/230	1	1	1	1	1	1	1	1	1
F601	▲	9965 000 13890	FUSE 4A/250V 215004	1	1	1	1	1	1	1	1	1
FH601		4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1	1	1
FH602		4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1	1	1
PB1		9965 000 18122	POWER PCB HOLDER T6400RA	1	1	1	1	1	1	1	1	1
PB4		9965 000 18111	13V POW HEAT SINK PAL PHKT6400RA	1	1	1	1	1	1	1	1	1
PB5		9965 000 18123	13V P H/S PAL PHM ASSEMBLY T6400RA	1	1	1	1	1	1	1	1	1
PL1		9965 000 08646	SCREW, P-TIGHT 3X12 WASHER HEAD+	1	1	1	1	1	1	1	1	1
PL2		9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1
PS602	▲	9965 000 13896	THERMISTOR ZPB31BL9R0A	1	1	1	1	1	1	1	1	1
SA601	▲	9965 000 20946	SURGE ABSORBER 470V+-10PER	1	1	1	1	1	1	1	1	1
T551	▲	9965 000 18124	FLYBACK TRANS BSC23-2603S	1	1	1	1	1	1	1	1	1
T552	▲	9965 000 13904	H0RIZONTAL DRIVE TRANS LP2-005	1	1	1	1	1	1	1	1	1
T601	▲	9965 000 24198	SWITCHING TRANS 04705	1	1	1	1	1	1			
T601	▲	9965 000 24202	SWITCHING TRANS 04703							1	1	1
TM601		9965 000 22702	TAB 42018	1	1	1	1	1	1	1	1	1
TM602		9965 000 22702	TAB 42018	1	1	1	1	1	1	1	1	1
TP501			PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	**12 NC**	**Description**									
TP502			PCB JUMPER D0 6-P7 5	1	1	1	1	1	1	1	1	1
TP503			PCB JUMPER D0 6-P15 0	1	1	1	1	1	1	1	1	1
TP504			PCB JUMPER D0 6-P15 0	1	1	1	1	1	1	1	1	1
VR601	▲	9965 000 23550	CARBON P O T 20K OHM B	1	1	1	1	1	1	1	1	1
			CRT CBA									
			CAPACITORS									
C501			CERAMIC CAP (AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1
C502			CERAMIC CAP (AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1
C503			CERAMIC CAP (AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1
C504			CERAMIC CAP B K 1000PF/2KV	1	1	1	1	1	1	1	1	1
C505			ELECTROLYTIC CAP 1UF/50V M H7	1	1	1	1	1	1	1	1	1
			CONNECTORS									
CN501		9965 000 13911	PIN CONNECTOR 005P-5100	1	1	1	1	1	1	1	1	1
CN502		9965 000 05247	CONNECTOR BASE, 4P TUC-P04P-B1	1	1	1	1	1	1	1	1	1
			COILS									
L501			PCB JUMPER D0 6-P5 0	1	1	1	1	1	1	1	1	1
			TRANSISTORS									
Q501		4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1
Q502		4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1
Q503		4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1
			RESISTORS									
R501	▲	4822 053 10183	METAL OXIDE FILM RES 1W J 18K OHM	1	1	1	1	1	1	1	1	1
R502	▲	4822 053 10183	METAL OXIDE FILM RES 1W J 18K OHM	1	1	1	1	1	1	1	1	1
R503	▲	4822 053 10183	METAL OXIDE FILM RES 1W J 18K OHM	1	1	1	1	1	1	1	1	1
R504			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R505			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R506			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R507			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R510			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R511			PCB JUMPER D0 6-P5 0	1	1	1	1	1	1	1	1	1
R512			PCB JUMPER D0 6-P5 0	1	1	1	1	1	1	1	1	1
R513			PCB JUMPER D0 6-P5 0	1	1	1	1	1	1	1	1	1
R514			CARBON RES 1/4W J 1 5K OHM	1	1	1	1	1	1	1	1	1
R515			CARBON RES 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1
R516			CARBON RES 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1
R517			CARBON RES 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1
R518			CARBON RES 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1
R519			CARBON RES 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1
R520			CARBON RES 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1
R521			CARBON RES 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1
R522			CARBON RES 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1
R523			CARBON RES 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1
JK501	▲	9965 000 13913	CRT SOCKET ISMS01S	1	1	1	1	1	1	1	1	1
			TEXT CBA									
			CAPACITORS									
C901			ELECTROLYTIC CAP 22UF/50V M				1	1	1	1	1	1
C902			CERAMIC CAP (AX) B K 100PF/50V				1	1	1	1	1	1
C903			ELECTROLYTIC CAP 0 1UF/50V M				1	1	1	1	1	1
C904			ELECTROLYTIC CAP 0 1UF/50V M				1	1	1	1	1	1
C905			CERAMIC CAP (AX) Y M 0 01UF/16V				1	1	1	1	1	1
C906			ELECTROLYTIC CAP 100UF/10V M				1	1	1	1	1	1
C916			CERAMIC CAP (AX) CH J 18PF/50V				1	1	1	1	1	1
C917			CERAMIC CAP (AX) CH J 18PF/50V				1	1	1	1	1	1
C920			CERAMIC CAP (AX) Y M 0 01UF/16V				1	1	1	1	1	1
C921			ELECTROLYTIC CAP 100UF/10V M				1	1	1	1	1	1
C922			ELECTROLYTIC CAP 100UF/10V M				1	1	1	1	1	1
C923			ELECTROLYTIC CAP 100UF/10V M				1	1	1	1	1	1
C926			CERAMIC CAP (AX) Y M 0 01UF/16V				1	1	1	1	1	1

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ELECTRICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	▲	12 NC	Description									
			CONNECTORS									
CN901		9965 000 13916	CONNECTOR, 8P TUC-P08X-B1				1	1	1	1	1	1
CN902		9965 000 13917	CONNECTOR, 6P TUC-P06X-B1				1	1	1	1	1	1
			DIODES									
D901		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D902		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D903		9965 000 18140	ZENER DIODE MTZJT-773.6B				1	1	1	1	1	1
D904		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D905		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D906		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D907		4822 130 32778	SWITCHING DIODE 1SS133(T-77)				1	1	1	1	1	1
D908		9965 000 18119	ZENER DIODE DZ-3 3BSBT265				1	1	1	1	1	1
D909		9965 000 18119	ZENER DIODE DZ-3 3BSBT265				1	1	1	1	1	1
			IC's									
IC901		9965 000 18141	IC TEXT SAA5265				1	1	1	1	1	1
			COILS									
L901		9965 000 18142	INDUCTOR 10UH-J-26T				1	1	1	1	1	1
L902		9965 000 18142	INDUCTOR 10UH-J-26T				1	1	1	1	1	1
			TRANSISTORS									
Q901		9965 000 05643	TRANSISTOR 2SC2785(F)				1	1	1	1	1	1
			RESISTORS									
R901			CARBON RES 1/4W J 1.2K OHM				1	1	1	1	1	1
R902			CARBON RES 1/4W J 1K OHM				1	1	1	1	1	1
R903			CARBON RES 1/4W J 24K OHM				1	1	1	1	1	1
R904			CARBON RES 1/4W J 10K OHM				1	1	1	1	1	1
R905			CARBON RES 1/4W J 10K OHM				1	1	1	1	1	1
R906			CARBON RES 1/4W J 1.5K OHM				1	1	1	1	1	1
R908			CARBON RES 1/4W J 1.5K OHM				1	1	1	1	1	1
R911			CARBON RES 1/4W J 1.5K OHM				1	1	1	1	1	1
R912			CARBON RES 1/4W J 1K OHM				1	1	1	1	1	1
R913			PCB JUMPER D0.6-P5.0				1	1	1	1	1	1
R914			PCB JUMPER D0.6-P5.0				1	1	1	1	1	1
R915			PCB JUMPER D0.6-P5.0				1	1	1	1	1	1
R916			CARBON RES 1/4W J 220 OHM				1	1	1	1	1	1
R918			METAL OXIDE FILM RES 2W J 56 OHM				1	1	1	1	1	1
R919			PCB JUMPER D0.6-P5.0				1	1	1	1	1	1
R920			PCB JUMPER D0.6-P5.0				1	1	1	1	1	1
R921			CARBON RES 1/4W J 3.3K OHM				1	1	1	1	1	1
R922			CARBON RES 1/4W J 3.3K OHM				1	1	1	1	1	1
R923			CARBON RES 1/4W J 3.3K OHM				1	1	1	1	1	1
R924			CARBON RES 1/4W J 1K OHM				1	1	1	1	1	1
R925			CARBON RES 1/4W J 10 OHM				1	1	1	1	1	1
R926			CARBON RES 1/4W J 4.7K OHM				1	1	1	1	1	1
R927			CARBON RES 1/4W J 1K OHM				1	1	1	1	1	1
X901		9965 000 12194	X'TAL 12.000MHZ				1	1	1	1	1	1

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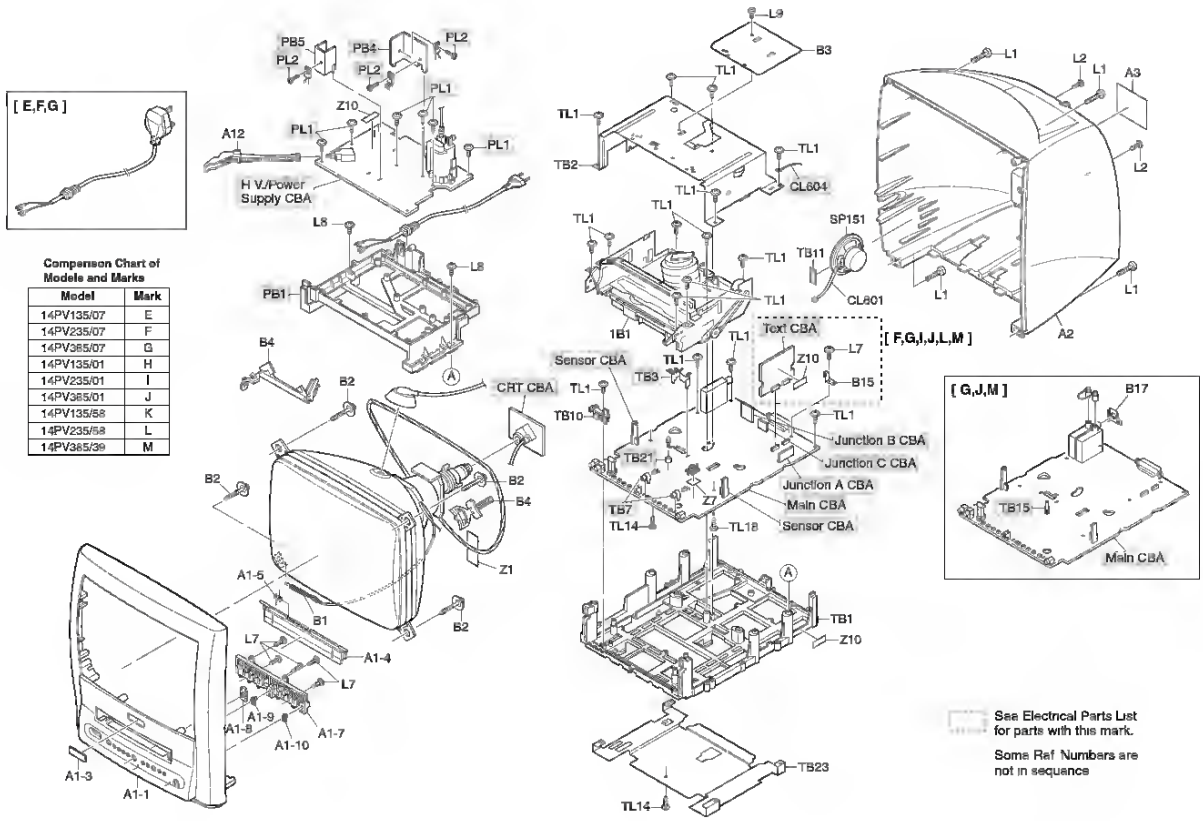
EXPLODED VIEWS

[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Cabinet



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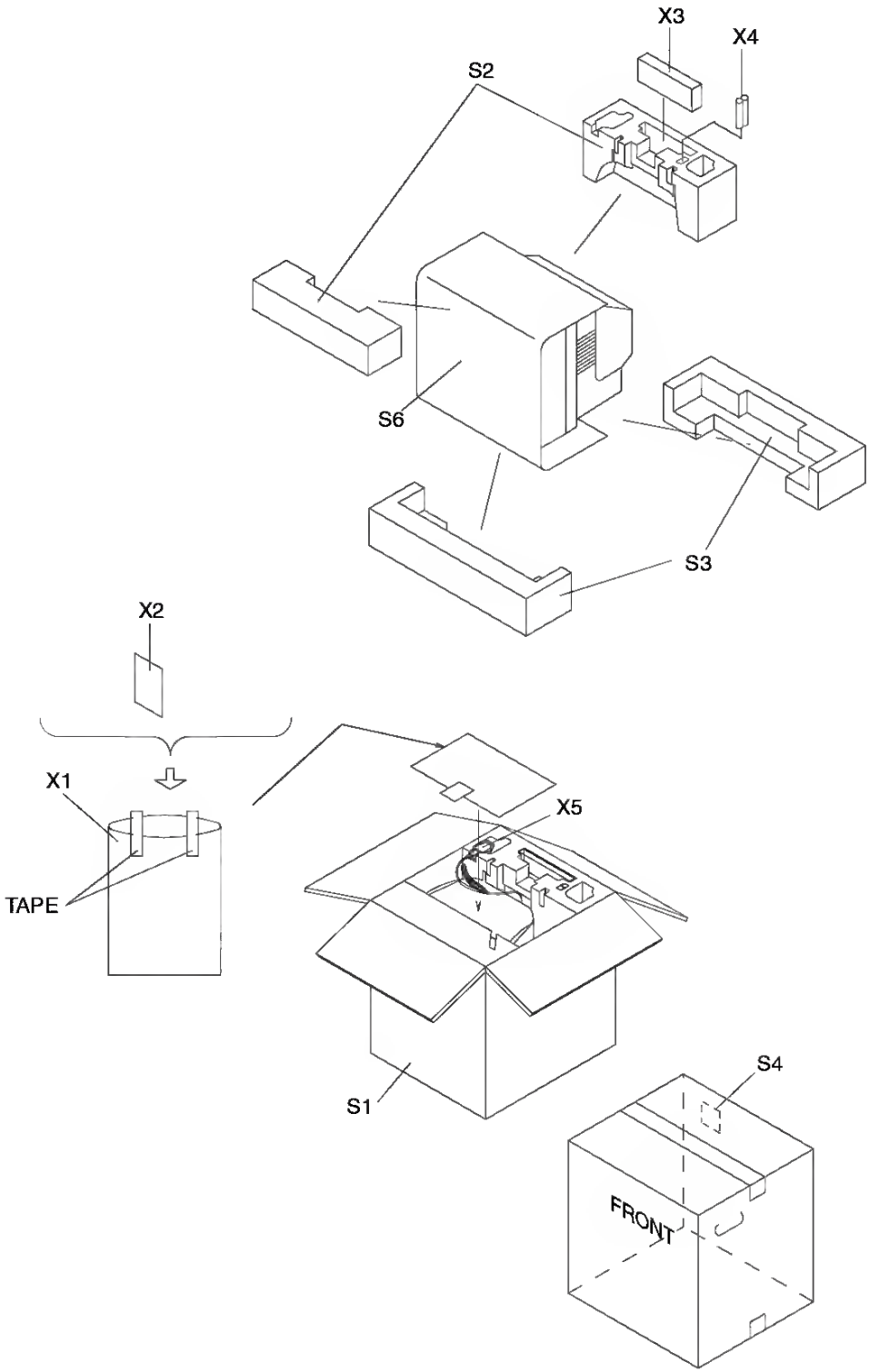
[14PV135/ (01, 07, 58), 14PV235/ (01, 07, 58), 14PV385/ (01, 07, 39)]

Packing



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PRODUCT SAFETY NOTE: Products marked with a ▲

have special characteristics important to safety.
Before replacing any of these components, read carefully
the product safety notice in this service manual.
Don't degrade the safety of the product through improper servicing.

***)Note:**

Pos 1 consists of A1-1, A1-3, A1-4, A1-5, A1-7, A1-8, A1-9, A1-10, L7

	MECHANICAL PARTS LIST				14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
Pos.	Pos. Expl. View	▲	12 NC	Description									
0001	*)		3143 027 60461	FRONT ASSY 14PV135/01/07/58	1	1	1						
0001	*)		3143 027 80481	FRONT ASSY 14PV235/01/07/58				1	1	1			
0001	*)		3143 027 80491	FRONT ASSY 14PV385/01							1		
0001	*)		3143 027 60501	FRONT ASSY 14PV385/07								1	
0001	*)		3143 027 80511	FRONT ASSY 14PV385/39									1
0001	A1-1			FRONT CAB PH01 LIGHT GREY				1	1	1			
0001	A1-1			FRONT CAB (A) GR PH001	1	1	1				1	1	1
0011	A1-3			WORDMARK PHILIPS	1	1	1	1	1	1	1	1	1
0005	A1-4			CASSETTE DOOR (A) GR PH001	1	1	1				1	1	1
0005	A1-4			CASSETTE DOOR PH01 LIGHT GREY				1	1	1			
0006	A1-5			LEG SPRING	1	1	1	1	1	1	1	1	1
0009	A1-7			FUNCTION KNOB (A) GR PH001	1	1	1				1	1	1
0009	A1-7			FUNCTION KNOB PH01 LIGHT GREY				1	1	1			
0007	A1-8			LED LENS B (C)				1	1	1			
0007	A1-8			LED LENS A (C)	1	1	1				1	1	1
0008	A1-9			LED LENS A (R)	1	1	1				1	1	1
0008	A1-9			LED LENS B (R)				1	1	1			
0010	L7		4822 502 14109	SCR PAN TORX TAP ST ZN BK 3X10	1	1	1	1	1	1	1	1	1
0031	B15		3143 021 20021	TE HOLDER				1	1	1	1	1	1
0055	L1		4822 502 14062	SCREW	1	1	1	1	1	1	1	1	1
0056	L2			TORX HEAD TAPPING SCREW M4X12	1	1	1	1	1	1	1	1	1
0059	TL1		4822 502 14109	SCR PAN TORX TAP ST ZN BK 3X10				1	1	1	1	1	1
0070	A2		3143 027 50131	REAR CAB PH001	1	1	1	1	1	1	1	1	1
0071	A12		3143 027 50191	POWER BUTTON PH001	1	1	1	1	1	1	1	1	1
1010	(SP151+ CL801)		9965 000 18085	SPEAKER ASSY	1	1	1	1	1	1	1	1	1
0002	B4		4822 402 10174	BRACKET ==>14"	1	1	1	1	1	1	1	1	1
0004	B15		3143 021 20031	TENSION SPRING	1	1	1	1	1	1	1	1	1
0030	B3		3143 021 20011	SCREENING	1	1	1	1	1	1	1	1	1
0015			3143 027 50351	CABLE CLAMP	1	1	1	1	1	1	1	1	1
0054	B2			SCREW ===>CRT	1	1	1	1	1	1	1	1	1
0057	L8			FLAT HEAD SCREW 4X18	1	1	1	1	1	1	1	1	1
1100				CRT A34EAC01X71 (LGPD) B	1	1	1	1	1	1	1	1	1
1B1				DECK ASSEMBLY CZD013/VM2326	1	1	1	1	1	1			
1B1				DECK ASSEMBLY CZD013/VM23A6							1	1	1
TB1				TRAY CHASSIS T6400RA	1	1	1	1	1	1	1	1	1
TB2				TOP COVER T6300RA	1	1	1	1	1	1	1	1	1
TB10			9965 000 18086	RCA HOLDER T6400RA	1	1	1	1	1	1	1	1	1
TB11				CLOTH(10X30XT 0.3) T5300UA	1	1	1	1	1	1	1	1	1
TB23				BOTTOM PLATE T6300RA	1	1	1	1	1	1	1	1	1
TL1			9965 000 08646	SCREW, P-TIGHT 3X12 WASHER HEAD+	1	1	1	1	1	1	1	1	1

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TL14			9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1
TL18			9965 000 13027	SCREW, P-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1
				PACKING									
0450	S1			BOX FOLDED 14PV235				1	1	1			
0450	S1			BOX FOLDED 14PV135	1	1	1						
0450	S1			BOX FOLDED 14PV385							1	1	1
0453	S2			STYROFOAM TOP A	1	1	1				1	1	1
0453	S2			STYROFOAM TOP B				1	1	1			
0454	S2			STYROFOAM BOTTOM A	1	1	1				1	1	1
0454	S2			STYROFOAM BOTTOM B				1	1	1			
0455	X1			BAG (==>MAINS CORD)	1	1	1	1	1	1	1	1	1
0469	S6			TOPFOIL	1	1	1	1	1	1	1	1	1
0471				STRETCHFOIL 500/15	1	1	1	1	1	1	1	1	1
0150	X3		9965 000 18138	RC RT350/111	1	1	1						
0150	X3		9965 000 18139	RC RT351/111				1	1	1			
0150	X3		9965 000 18143	RC RT352/111							1	1	1
				TEST TAPES									
0001			3143 023 20011	TEST TAPE FL6K(S)	1	1	1	1	1	1	1	1	1
0002			3143 023 20021	TEST TAPE FL6NS8	1	1	1	1	1	1	1	1	1
0003			3143 023 20051	TEST TAPE E-120 HS	1	1	1	1	1	1	1	1	1
0004			3143 023 20041	TEST TAPE FL6M	1	1	1	1	1	1	1	1	1

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STANDARD MAINTENANCE

[14PV385/ (01, 07, 39)]

Service Schedule of Components

This maintenance chart shows you the standard of replacement and cleaning time for each part.
Because those may replace depending on environment and purpose for use, use the chart for reference.

H: Hours ○: Cleaning ●: Replace

Deck		Periodic Service Schedule			
Ref.No.	Part Name	1,000 H	2,000 H	3,000 H	4,000 H
B2	Cylinder Assembly	○	●	○	●
B3	Loading Motor Assembly			●	
B8	Pulley Assembly		●		●
B587	Tension Lever Assembly		●		●
B31	ACE Head Assembly			●	
B573, B574	Reel S, Reel T			●	
B37	Capstan Motor		●		●
B52	Cap Belt		●		●
*B73	FE Head			●	
*B86	F Brake Assembly (HI)		●		●
B133	Idler Assembly (HI)		●		●
B410	Pinch Arm Assembly		●		●
B414	M Brake (SP) Assembly (HI)		●		●
B416	M Brake (TU) Assembly (HI)		●		●
B525	LDG Belt		●		●

Notes:

1. Clean all parts for the tape transport (Upper Drum with Video Head / Pinch Roller / ACE Head / FE Head) using 90% Isopropyl Alcohol.
2. After cleaning the parts, do all DECK ADJUSTMENTS.
3. For the reference numbers listed above, refer to Deck Exploded Views.
   * B73 ------ Recording model only
   * B86 ------ Not used in 2 head model.

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Cleaning

Cleaning of Video Head

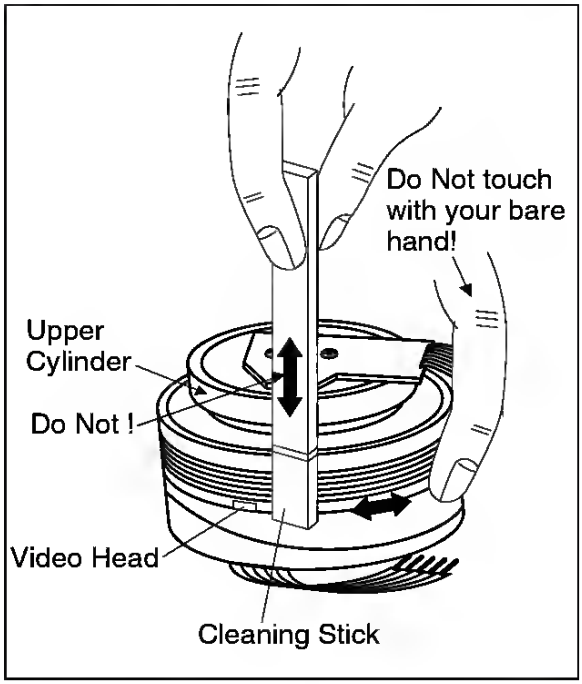
Clean the head with a head cleaning stick or chamois cloth.

Procedure

1. Remove the top cabinet.
2. Put on a glove (thin type) to avoid touching the upper and lower drum with your bare hand.
3. Put a few drops of 90% Isopropyl alcohol on the head cleaning stick or on the chamois cloth and, by slightly pressing it against the head tip, turn the upper drum to the right and to the left.

Notes:

1. The video head surface is made of very hard material, but since it is very thin, avoid cleaning it vertically.
2. Wait for the cleaned part to dry thoroughly before operating the unit.
3. Do not reuse a stained head cleaning stick or a stained chamois cloth.



Cleaning of ACE Head

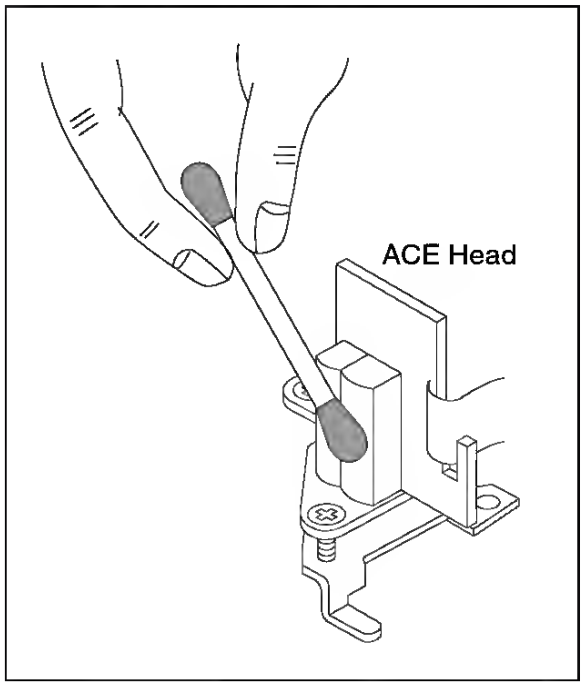
Clean the head with a cotton swab.

Procedure

1. Remove the top cabinet.
2. Dip the cotton swab in 90% isopropyl alcohol and clean the ACE Head. Be careful not to damage the upper drum and other tape running parts.

Notes:

1. Avoid cleaning the ACE Head vertically.
2. Wait for the cleaned part to dry thoroughly before operating the unit or damage may occur.



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DISASSEMBLY/ASSEMBLY PROCEDURES OF DECK MECHANISM

[14PV385/ (01, 07, 39)]

Before following the procedures described below, be sure to remove the deck assembly from the cabinet. (Refer to CABINET DISASSEMBLY INSTRUCTIONS on page 1-5-6.)
All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [44] and [45] in Fig. DM1H on page 2-4-12. When reassembling, follow the steps in reverse order.

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Guide Holder A	T	DM3H	2(S-1)	
[2]	[1]	Cassette Holder Assembly	T	DM4H	(S-10)	
[3]	[2]	Slider (SP)	T	DM5H	(S-1A), *(L-1)	
[4]	[2]	Slider (TU)	T	DM5H	*(L-2)	
[5]	[4]	Lock Lever	T	DM5H	*(L-3), *(P-1)	
[6]	[2]	Cassette Plate	T	DM5H		
[7]	[7]	Cylinder Assembly	T	DM1H, DM6H	Desolder, 3(S-2)	
[8]	[8]	Loading Motor Assembly	T	DM1H, DM7H	Desolder, LDG Belt, 2(S-3)	
[9]	[9]	ACE Head Assembly	T	DM1H, DM7H	(S-4)	
[10]	[2]	Tape Guide Arm Assembly	T	DM1H, DM8H-1	*(P-2)	
[11]	[10]	C Door Opener	T	DM1H, DM8H-1	(S-4A), *(L-4)	
[12]	[11]	Pinch Arm (B)	T	DM1H, DM8H-1, DM8H-2	*(P-3)	
[13]	[12]	Pinch Arm (A) Assembly	T	DM1H, DM8H-1, DM8H-2		
[14]	[14]	FE Head	T	DM1H, DM9H	(S-5)	
[15]	[15]	Prism	T	DM1H, DM9H	(S-6)	
[16]	[2]	Slider Shaft	T	DM10H	*(L-5)	
[17]	[16]	C Drive Lever (SP)	T	DM10H		
[18]	[16]	C Drive Lever (TU)	T	DM10H	(S-7), *(P-4)	
[19]	[19]	Capstan Motor	B	DM2H, DM11H	3(S-8), Cap Belt	
[20]	[20]	Clutch Assembly (HI)	B	DM2H, DM12H	(C-1)	
[21]	[20]	Center Gear	B	DM12H		
*[22]	[22]	F Brake Assembly (HI)	B	DM2H, DM12H	*(L-6)	
[23]	[22]	Worm Holder	B	DM2H, DM13H-1	(S-9), *(L-7), *(L-8)	
[24]	[22]	Pulley Assembly (HI)	B	DM2H, DM13H-1		
[25]	[25]	Mode Gear (LM)	B	DM2H, DM13H-1	(C-2)	
[26]	[20],[25]	Mode Lever (HI)	B	DM2H, DM13H-1, DM13H-2	(C-3)	
[27]	[22],[23], [26]	Cam Gear (A) (HI)	B	DM2H, DM13H-1, DM13H-2	(C-4)	(+)Refer to Alignment Sec.Page 2-5-2
[28]	[26]	TR Gear C	B	DM2H, DM13H-1	(C-5)	
[29]	[28]	TR Gear Spring	B	DM13H-1		
[30]	[29]	TR Gear A/B	B	DM13H-1		

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STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[31]	[31]	FF Arm (HI)	B	DM1H, DM14H		
[32]	[26]	Idler Assembly (HI)	B	DM1H, DM14H	*(L-9)	
[33]	[26]	BT Arm	B	DM2H, DM14H	*(P-5)	
[34]	[26]	Loading Arm (SP) Assembly	B	DM2H, DM14H		(+)Refer to Alignment Sec.Page 2-5-2
[35]	[34]	Loading Arm (TU) Assembly	B	DM2H, DM14H		(+)Refer to Alignment Sec.Page 2-5-2
[36]	[16],[26]	M Brake (TU) Assembly (HI)	T	DM1H, DM15H		
[37]	[2],[26]	M Brake (SP) Assembly (HI)	T	DM1H, DM15H	*(P-6)	
[38]	[37]	Tension Lever Assembly	T	DM1H, DM15H		
[39]	[38]	T Lever Holder	T	DM15H	*(L-10)	
[40]	[40]	M Gear (HI)	T	DM1H, DM15H	(C-6)	
[41]	[15],[40]	Sensor Gear (HI)	T	DM1H, DM15H	(C-7)	
[42]	[36],[40]	Reel T	T	DM1H, DM15H		
[43]	[38]	Reel S	T	DM1H, DM15H		
[44]	[34],[38]	Moving Guide S Preparation	T	DM1H, DM16H		
[45]	[35]	Moving Guide T Preparation	T	DM1H, DM16H		
[46]	[19]	TG Post Assembly	T	DM1H, DM16H	*(L-11)	
[47]	[27]	Rack Assembly	R	DM17H	*(P-9)	(+)Refer to Alignment Sec.Page 2-5-2
[48]	[47]	F Door Opener	R	DM17H		
[49]	[49]	Cleaner Assembly	T	DM1H, DM6H		
[50]	[49]	CL Post	T	DM6H	*(L-12)	
↓ (1)	↓ (2)	↓ (3)	↓ (4)	↓ (5)	↓ (6)	↓ (7)

(1): Follow steps in sequence. When reassembling, follow the steps in reverse order.
These numbers are also used as identification (location) No. of parts in the figures.

(2): Indicates the part to start disassembling with in order to disassemble the part in column (1).

(3): Name of the part

(4): Location of the part: T=Top B=Bottom R=Right L=Left

(5): Figure Number

(6): Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder
e.g., 2(L-2) = two Locking Tabs (L-2).

(7): Adjustment Information for Installation
(+):Refer to Deck Exploded Views for lubrication.

*** [22] F Brake Assembly (HI) is not used in 2 head model.**

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Top View

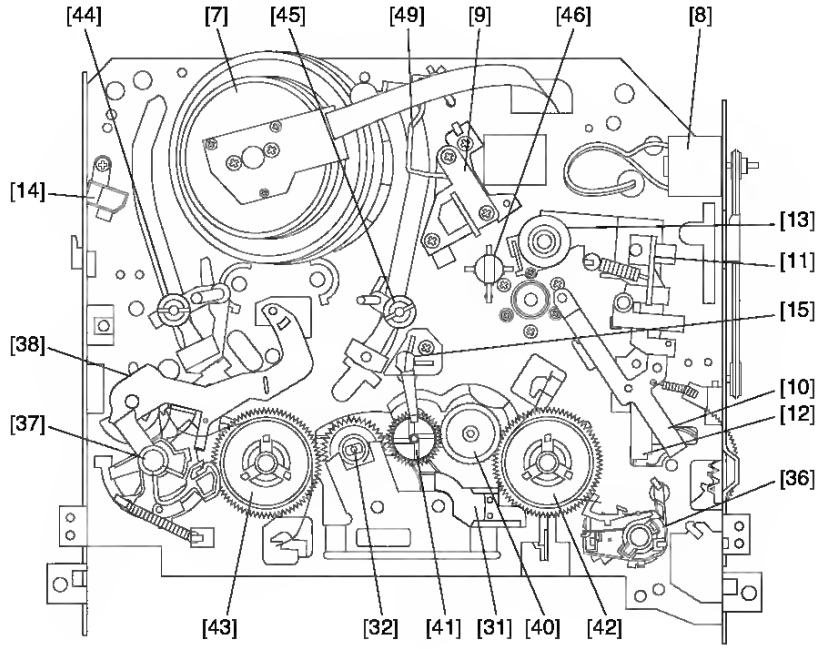

Fig. DM1H

Bottom View

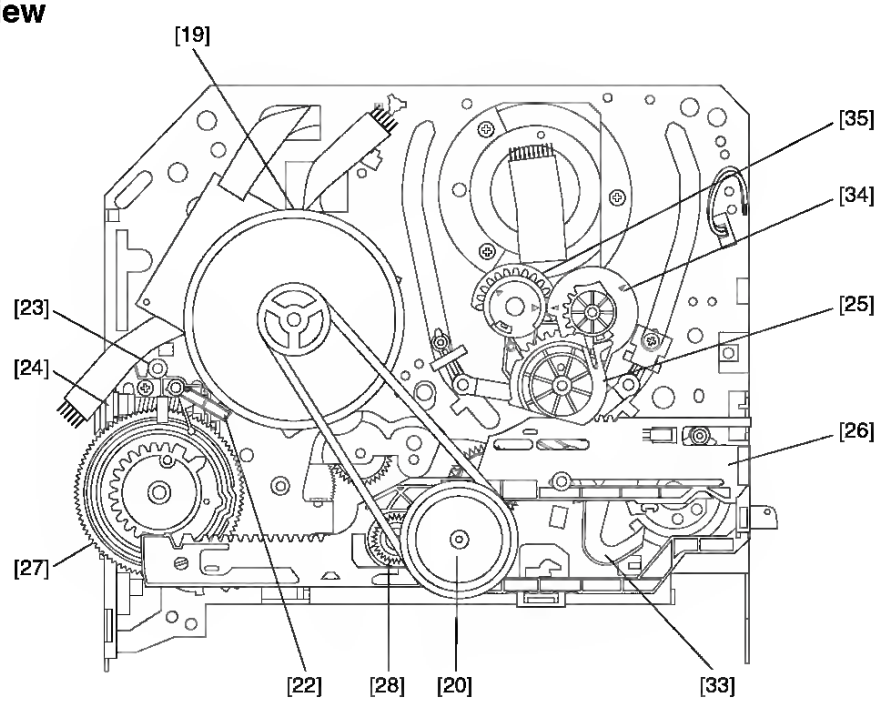

Fig. DM2H

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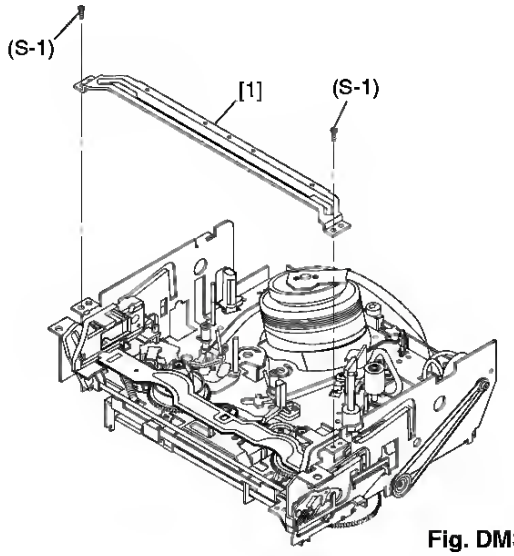
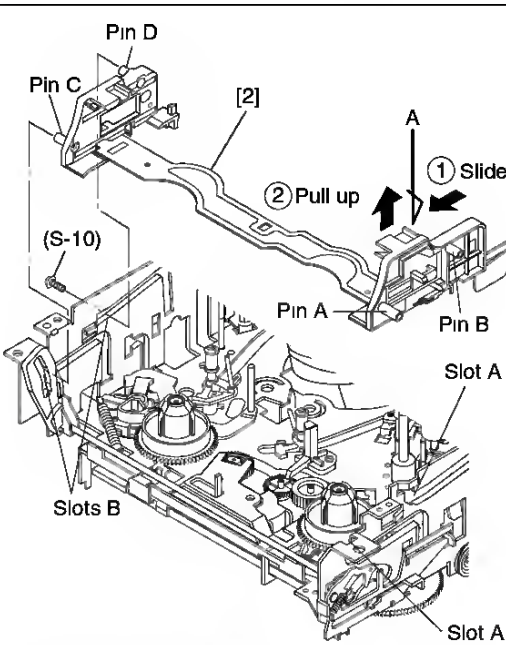


Fig. DM3H



First, while pushing the locking tab as shown in the right, slide and pull up the right side on [2] to release Pin A and Pin B from the slots A.
Then, remove Pin C and Pin D on [2] from the slots B as shown.

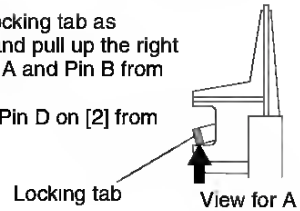
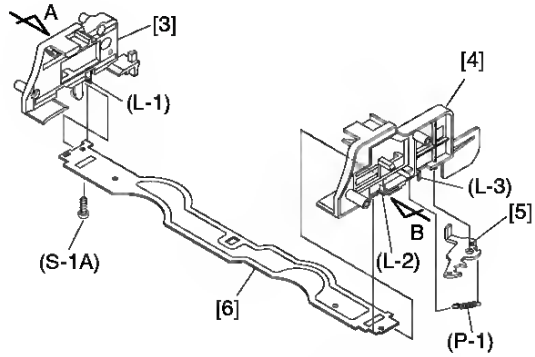
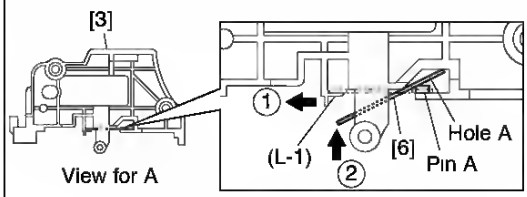


Fig. DM4H



Installation of [3] and [6]

First, insert [6] diagonally in [3] as shown below. Then, install [6] in [3] while pushing (L-1) in a direction of arrow. After installing [6] in [3], confirm that pin A of [3] enters hole A of [6] properly.



Installation of [4] and [6]

Install [6] in [4] while pulling (L-2) in a direction of arrow. After installing [6] in [4], confirm that pin B of [4] enters hole B of [6] properly.

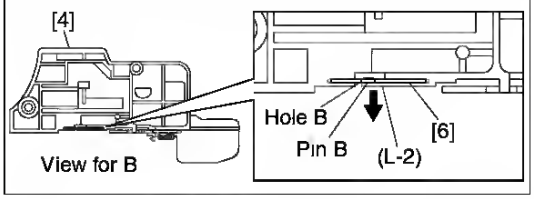


Fig. DM5H

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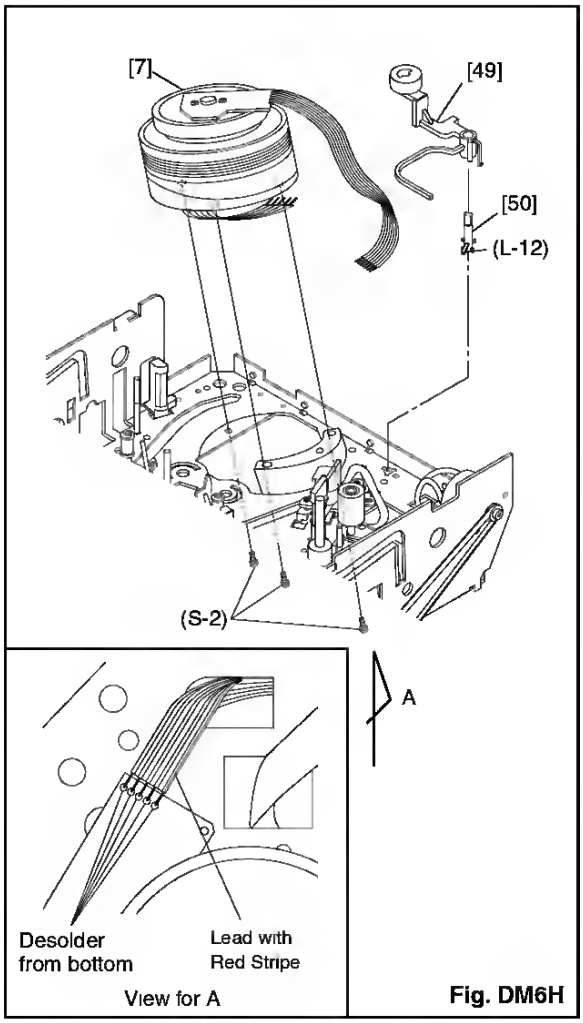

Fig. DM6H

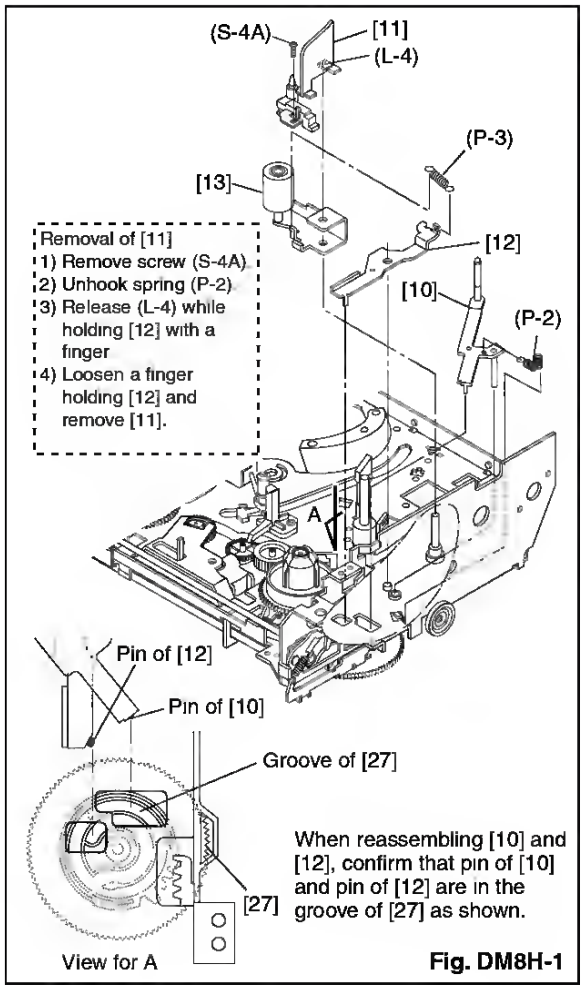

Fig. DM8H-1

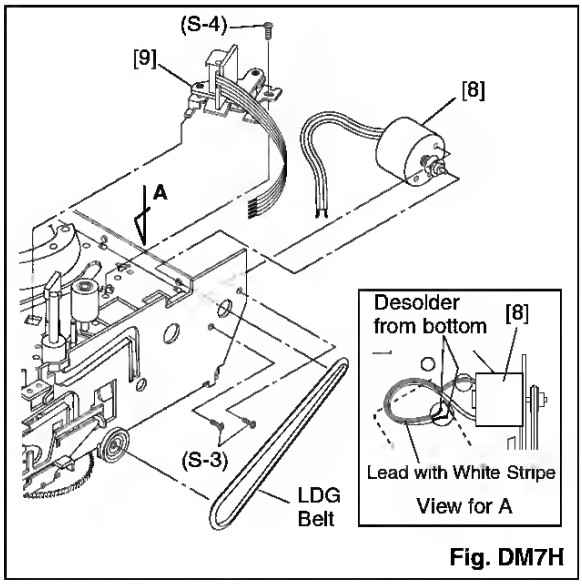

Fig. DM7H

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Installation of [13] and [12]

Hook spring (P-3) up to [12] and [13], then install then to the specified position so that [12] will be floated slightly while holding [12] and [13]. (Refer to Fig. A.)

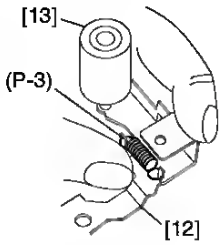

Fig. A

Install pin of [12] in groove of [27]. (Refer to Fig. B.)

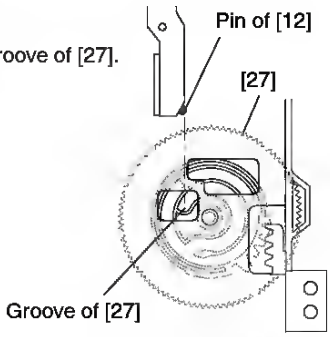

Fig. B (Top view)

Hold [12] and [13] till groove of pin of chassis looks and fit [13] in notch of chassis. Then, turn a few [13] while holding [12]. (Refer to Fig. C.)

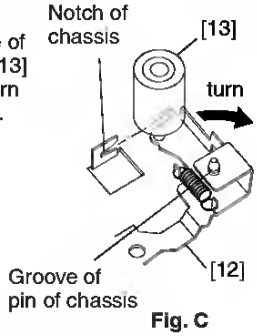

Fig. C

Install [11] and [10] while holding [12]. (Refer to Fig. DM8H-1.)

Fig. DM8H-2

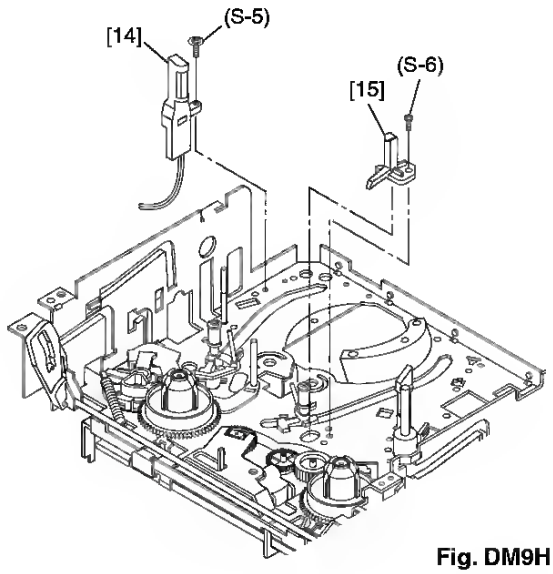

Fig. DM9H

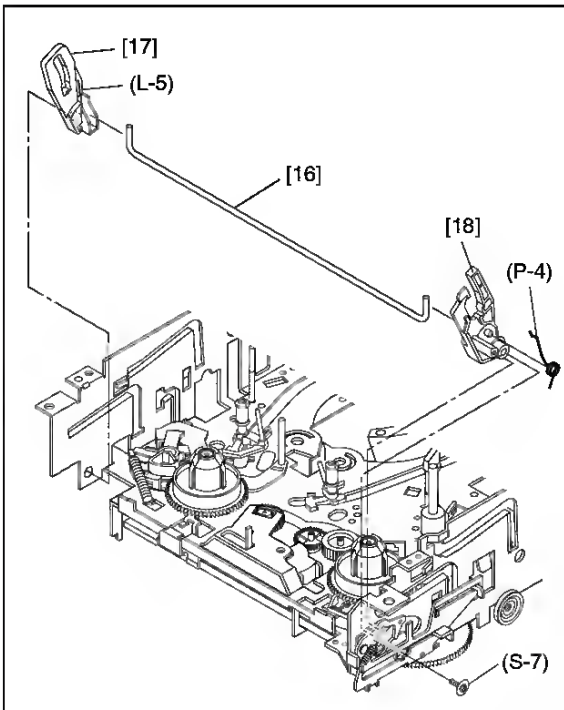

Fig. DM10H

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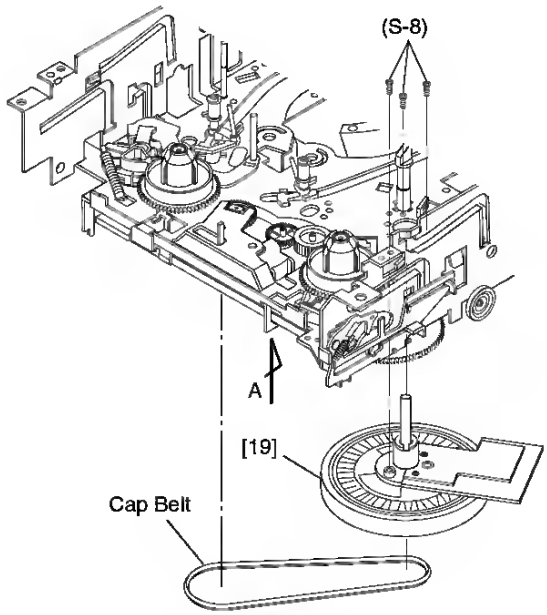


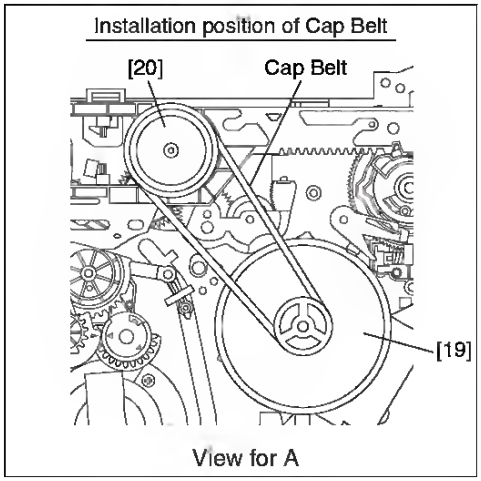
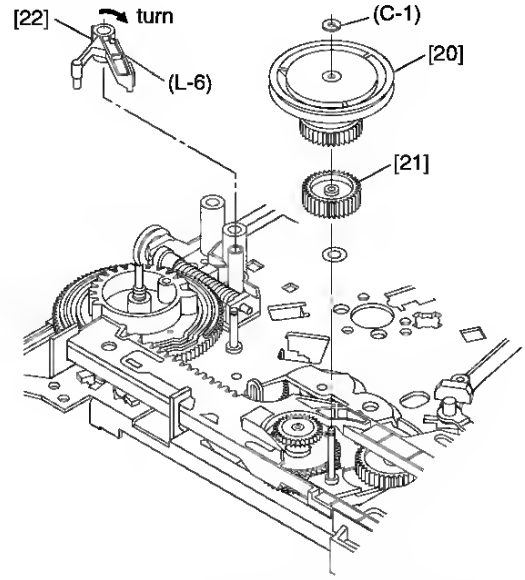


Fig. DM11H



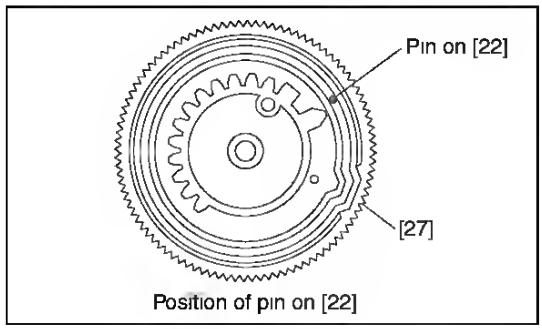


Fig. DM12H

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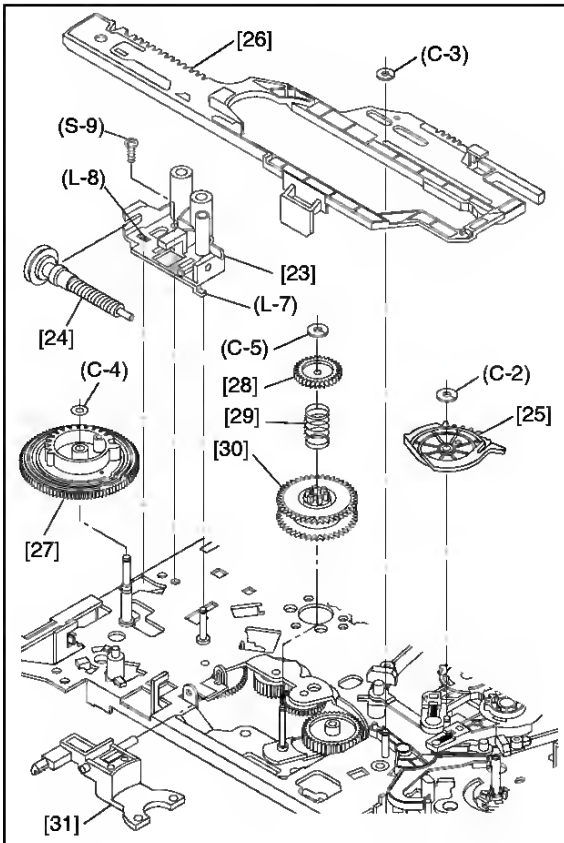

Fig. DM13H-1

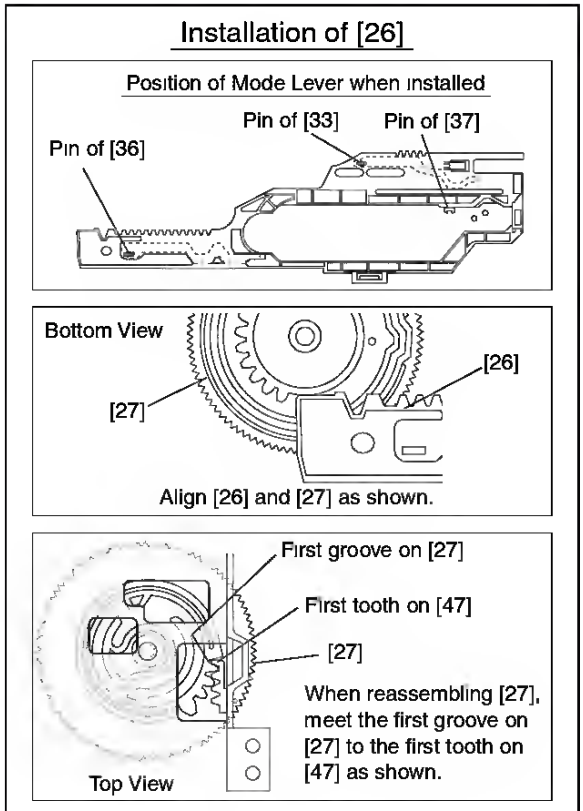
Installation of [26]
Position of Mode Lever when installed
Pin of [33]
Pin of [37]
Pin of [36]
Bottom View
[26]
[27]
Align [26] and [27] as shown.
First groove on [27]
First tooth on [47]
[27]
When reassembling [27], meet the first groove on [27] to the first tooth on [47] as shown.
Top View

Fig. DM13H-2

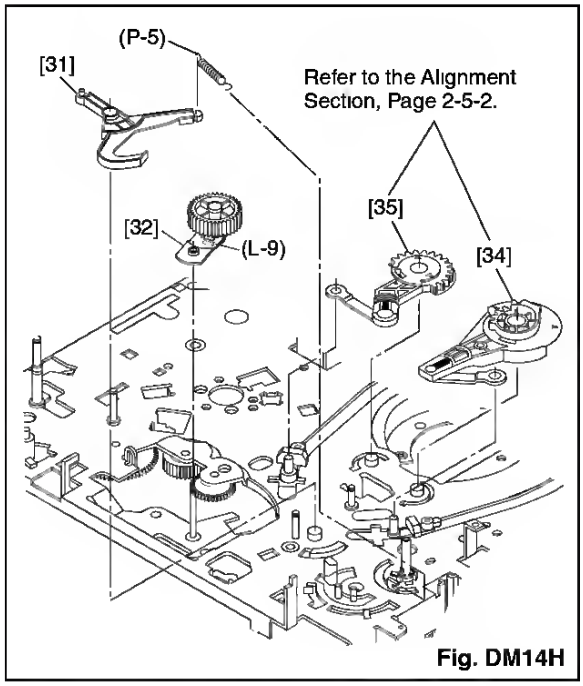

Fig. DM14H

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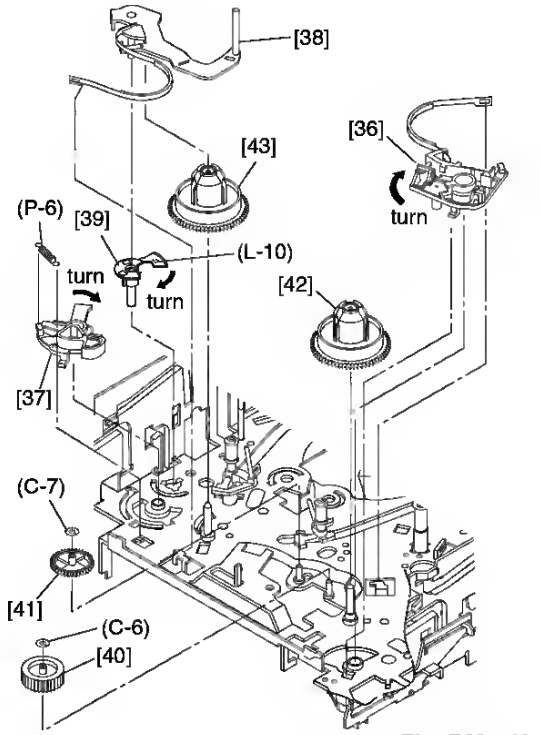

Fig. DM15H

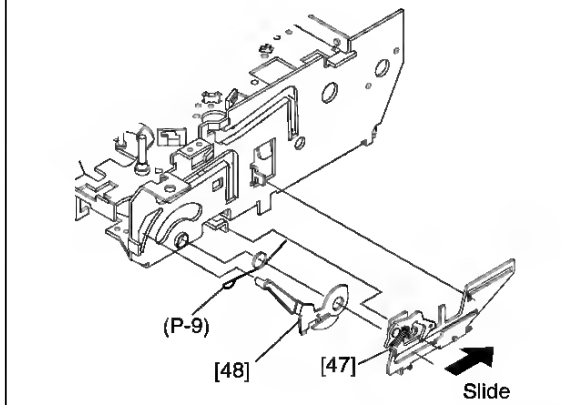

Fig. DM17H

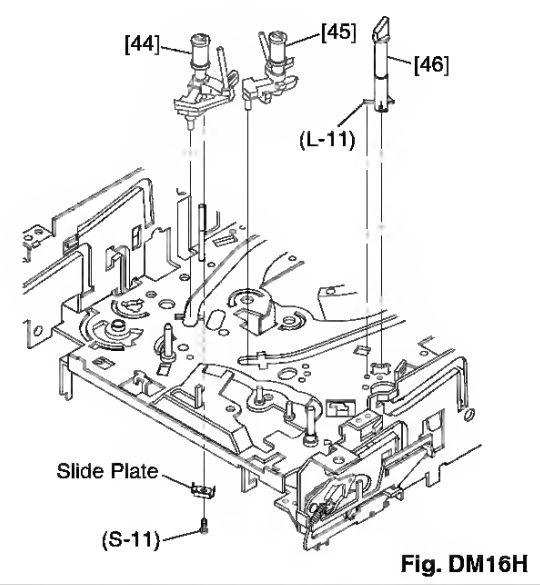

Fig. DM16H

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ALIGNMENT PROCEDURES OF MECHANISM

[14PV385/ (01, 07, 39)]

The following procedures describe how to align the individual gears and levers that make up the tape loading/unloading mechanism. Since information about the state of the mechanism is provided to the System Control Circuit only through the Mode Switch, it is essential that the correct relationship between individual gears and levers be maintained.
All alignments are to be performed with the mechanism in Eject mode, in the sequence given. Each procedure assumes that all previous procedures have been completed.

IMPORTANT:
If any one of these alignments is not performed properly, even if off by only one tooth, the unit will unload or stop and it may result in damage to the mechanical or electrical parts.

Alignment points in Eject Position

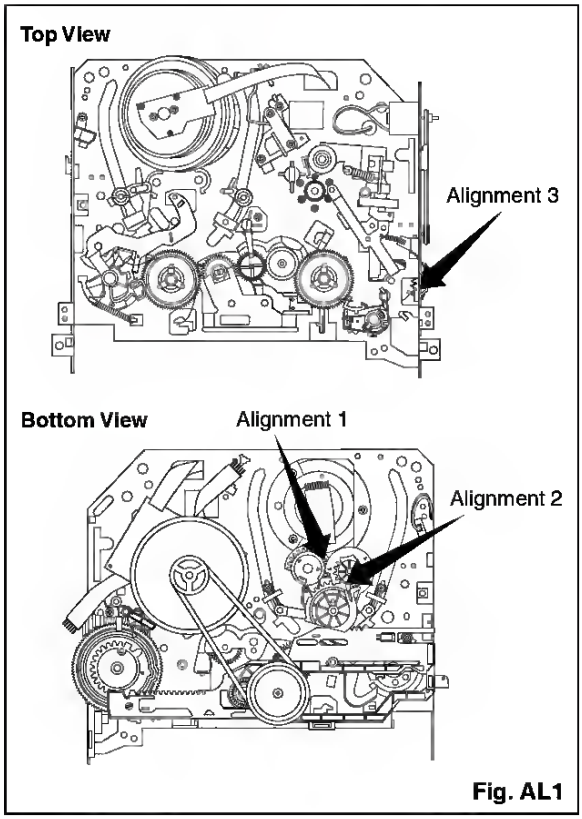

Fig. AL1

Alignment 1

Loading Arm (SP) and (TU) Assembly

Install Loading Arm (SP) and (TU) Assembly so that their triangle marks point to each other as shown in Fig. AL2.

Alignment 2

Mode Gear

Keeping the two triangles pointing at each other, install the Loading Arm (SP) Assembly so that the last tooth of the gear meets the most inside teeth of the Mode Gear. See Fig. AL2.

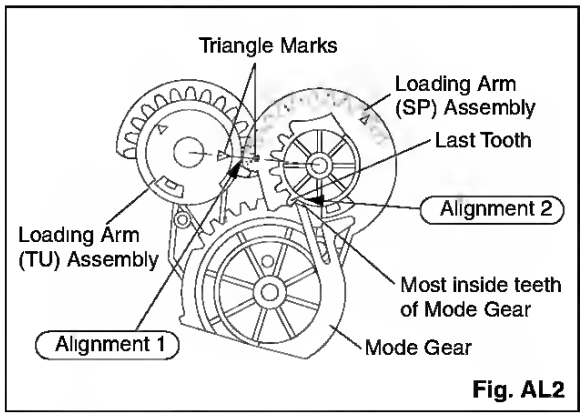

Fig. AL2

Alignment 3

Cam Gear (A) (HI), Rack Assembly

Install the Rack Assembly so that the first tooth on the gear of the Rack Assembly meets the first groove on the Cam Gear (A) (HI) as shown in Fig. AL3.

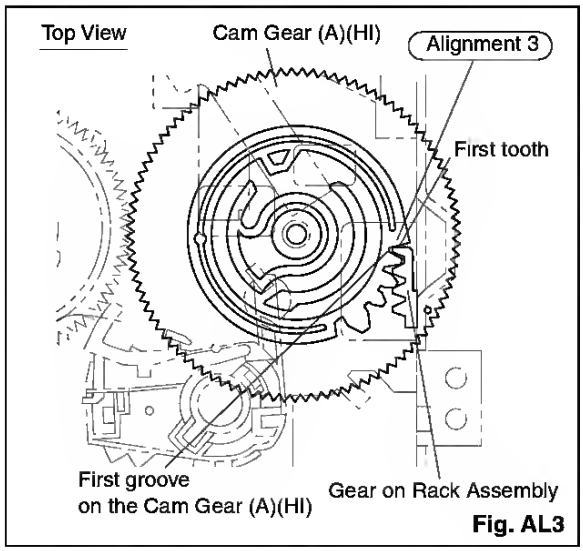

Fig. AL3

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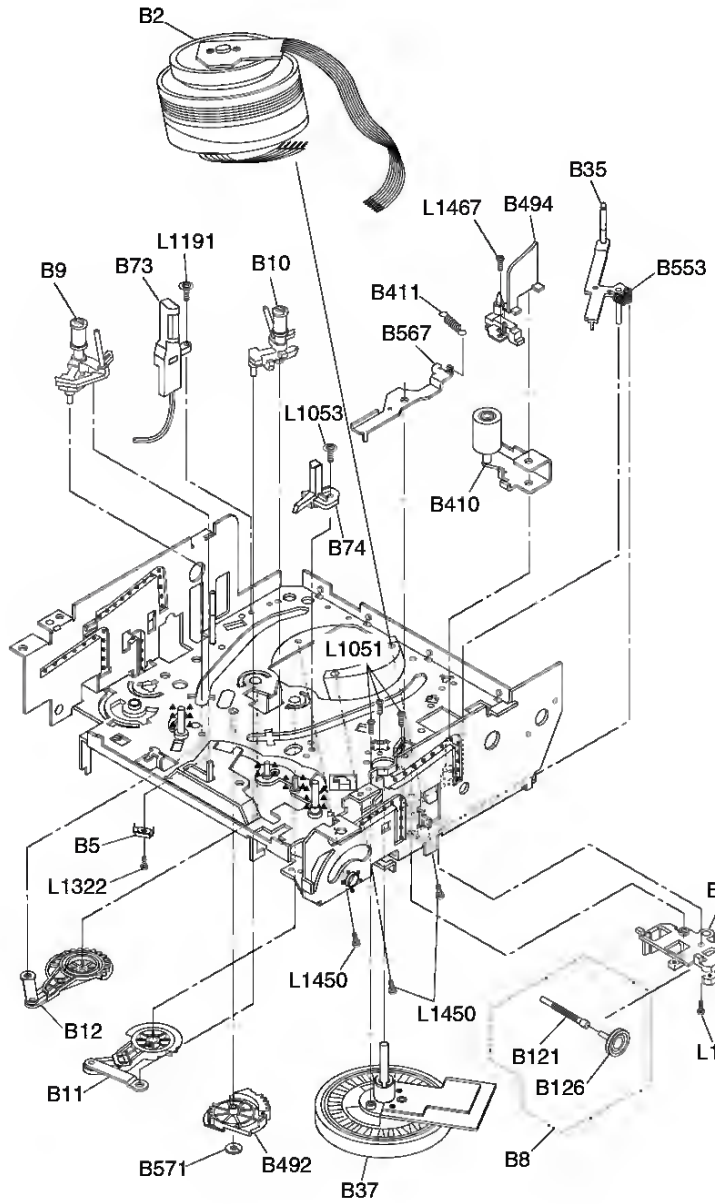
DECK EXPLODED VIEWS

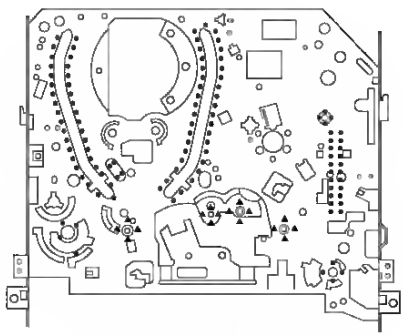
[14PV385/ (01, 07, 39)]

Deck Mechanism View 1

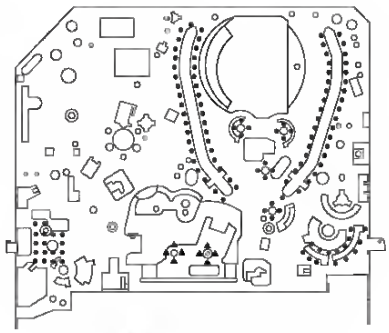
Mark	Description
●●●●●	Floil G-684G or Multemp MH-D (Blue grease)
▲▲▲▲▲	SLIDUS OIL #150



Some Ref. Numbers are not in sequence.



Chassis Assembly
Top View (Lubricating Point)



Chassis Assembly
Bottom View (Lubricating Point)

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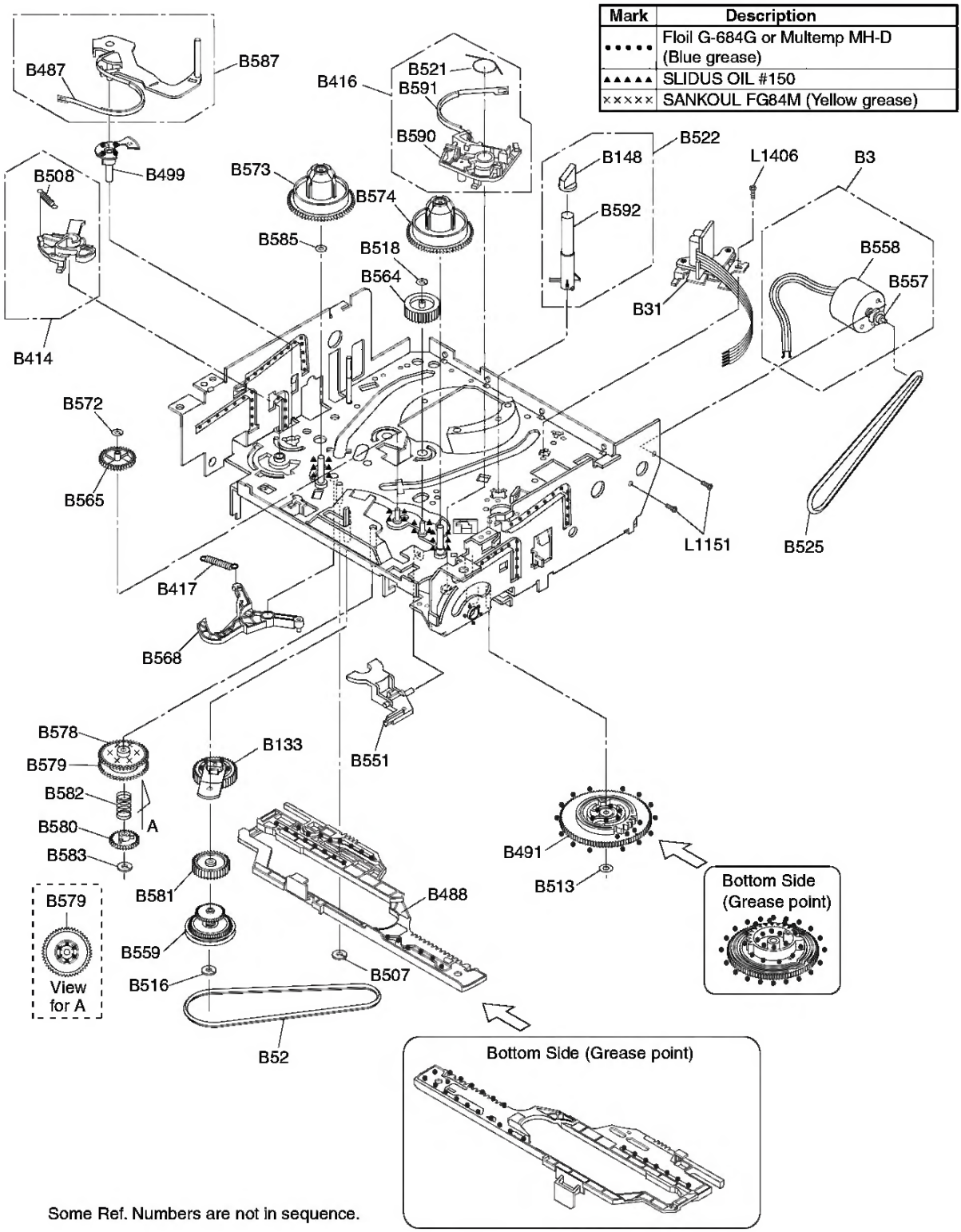
Deck Mechanism View 2



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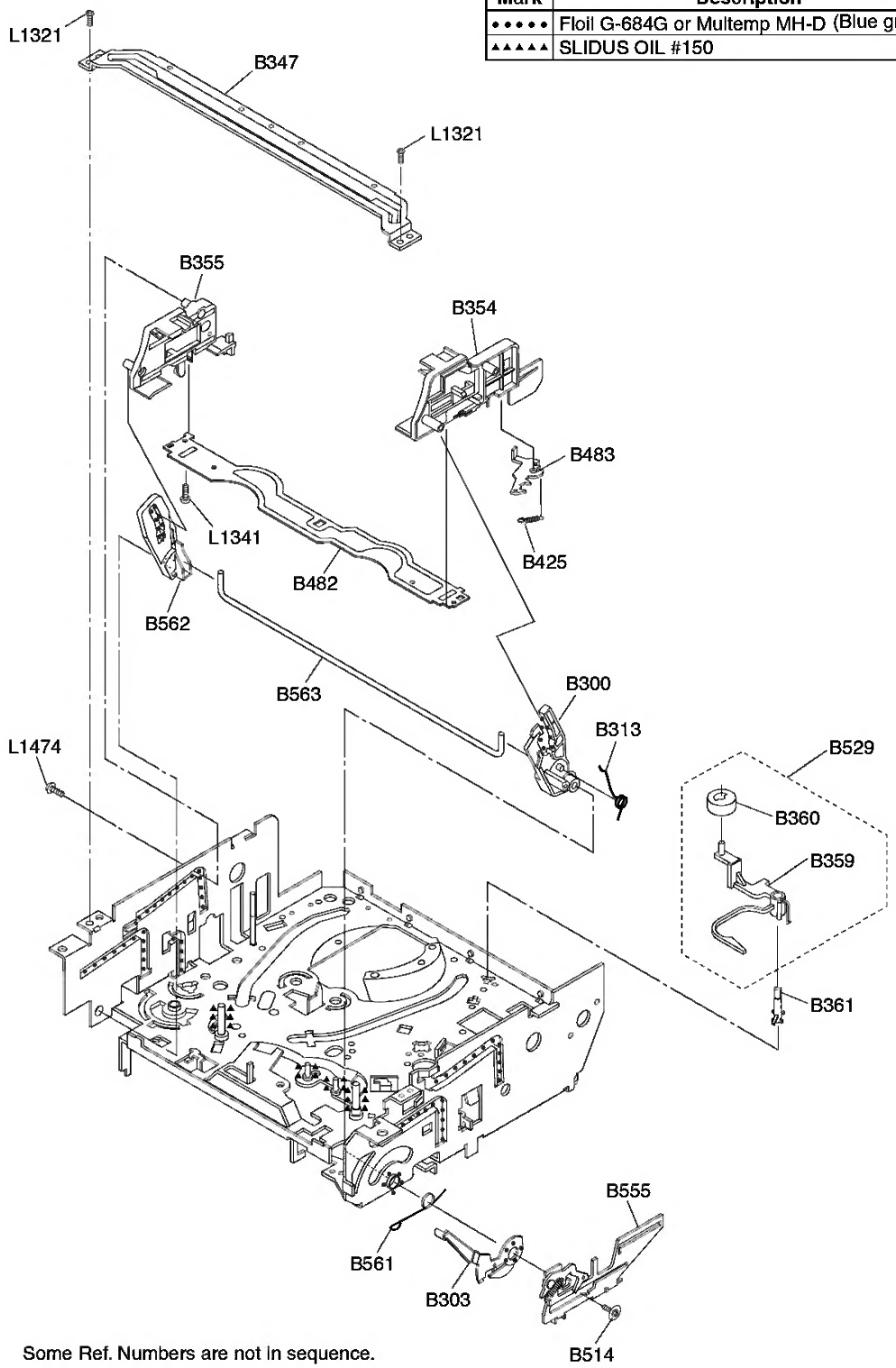
Deck Mechanism View 3

Mark	Description
●●●●●	Floil G-684G or Multemp MH-D (Blue grease)
▲▲▲▲▲	SLIDUS OIL #150



Some Ref. Numbers are not in sequence.

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DECK PARTS LIST

Pos.	▲	12 NC	Description	14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
B2		9965 000 23417	CYLINDER ASS.	1	1	1	1	1	1	1	1	1
B3		9965 000 17217	LOADING MOTOR ASS.	1	1	1	1	1	1	1	1	1
B8		9965 000 17191	PULLEY ASS.	1	1	1	1	1	1			
B8		9965 000 16631	PULLEY ASS.(HI)							1	1	1
B9		9965 000 16632	MOVING GUIDE S PREP.	1	1	1	1	1	1	1	1	1
B10		9965 000 16633	MOVING GUIDE T PREP.	1	1	1	1	1	1	1	1	1
B11		9965 000 16634	LOADING ARM(TU) ASS.	1	1	1	1	1	1	1	1	1
B12		9965 000 16635	LOADING ARM(SP) ASS.	1	1	1	1	1	1	1	1	1
B31		9965 000 23553	AC HEAD ASS.	1	1	1	1	1	1	1	1	1
B35		9965 000 23382	TAPE GUIDE ARM ASS.	1	1	1	1	1	1	1	1	1
B37		9965 000 23554	CAPSTAN MOTOR	1	1	1	1	1	1			
B37		9965 000 23367	CAPSTAN MOTOR							1	1	1
B52		9965 000 08593	CAP BELT	1	1	1	1	1	1	1	1	1
B73		9965 000 12210	FE HEAD ASS.	1	1	1	1	1	1	1	1	1
B74		9965 000 08555	PRISM	1	1	1	1	1	1	1	1	1
B121		9965 000 16640	WORM	1	1	1	1	1	1	1	1	1
B126		9965 000 18128	PULLEY	1	1	1	1	1	1	1	1	1
B133		9965 000 17193	IDLER GEAR	1	1	1	1	1	1			
B133		9965 000 16642	IDLER ASS.(HI)							1	1	1
B134		9965 000 17194	IDLER ARM	1	1	1	1	1	1			
B148		9965 000 12368	TG CAP	1	1	1	1	1	1			
B148		4822 462 11189	TG CAP MK6							1	1	1
B300		9965 000 16643	C DRIVE LEVER(TU)	1	1	1	1	1	1	1	1	1
B303		9965 000 18129	F DOOR OPENER	1	1	1	1	1	1	1	1	1
B313		9965 000 16645	C DRIVE SPRING	1	1	1	1	1	1	1	1	1
B347		9965 000 08445	GUIDE HOLDER A	1	1	1	1	1	1	1	1	1
B354		9965 000 18130	SLIDER(TU)	1	1	1	1	1	1	1	1	1
B355		9965 000 23555	SLIDER(SP)	1	1	1	1	1	1	1	1	1
B359		9965 000 08449	CLEANER LEVER	1	1	1	1	1	1	1	1	1
B360		9965 000 06561	CLEANER ROLLER	1	1	1	1	1	1	1	1	1
B361		9965 000 08450	CL POST	1	1	1	1	1	1	1	1	1
B410		9965 000 16648	PINCH ARM(A) ASS.(4)	1	1	1	1	1	1	1	1	1
B411		9965 000 16649	PINCH SPRING	1	1	1	1	1	1	1	1	1
B414		9965 000 23419	M BRAKE(SP) ASS.	1	1	1	1	1	1			
B414		9965 000 17218	M BRAKE(SP) ASS.(HI)							1	1	1
B416		9965 000 17196	M BRAKE(TU) ASS.	1	1	1	1	1	1			
B416		9965 000 16651	M BRAKE(TU) ASS.(HI)							1	1	1
B417		9965 000 24008	TENSION SPG	1	1	1	1	1	1	1	1	1
B425		9965 000 08457	LOCK LEVER SPRING	1	1	1	1	1	1	1	1	1
B426		9965 000 08458	KICK PULLEY	1	1	1	1	1	1			
B482		9965 000 16653	CASSETTE PLATE	1	1	1	1	1	1	1	1	1
B483		9965 000 16654	LOCK LEVER	1	1	1	1	1	1	1	1	1
B487		9965 000 16655	BAND BRAKE(SP)	1	1	1	1	1	1	1	1	1
B488		9965 000 23420	MODE LEVER	1	1	1	1	1	1			
B488		9965 000 18145	MODE LEVER(HI)							1	1	1
B491		9965 000 17199	CAM GEAR(A)	1	1	1	1	1	1			
B491		9965 000 16657	CAM GEAR(A)(HI)							1	1	1
B492		9965 000 16658	MODE GEAR	1	1	1	1	1	1			
B492		9965 000 19636	MODE GEAR(LM)							1	1	1
B494		9965 000 16659	C DOOR OPENER	1	1	1	1	1	1	1	1	1
B499		9965 000 16660	T LEVER HOLDER	1	1	1	1	1	1	1	1	1
B501		9965 000 16661	WORM HOLDER	1	1	1	1	1	1	1	1	1
B502		9965 000 17200	CAM GEAR(B)	1	1	1	1	1	1			
B507		9965 000 05342	REEL WASHER MK9 5*2.1*0.5	1	1	1	1	1	1	1	1	1
B508		9965 000 08470	S BRAKE SPRING	1	1	1	1	1	1			
B508		9965 000 17219	S BRAKE SPRING(HI)							1	1	1
B513		9965 000 17201	CAM WASHER	1	1	1	1	1	1			
B513		4822 532 13158	P.S.W F 6*2.55*0.5							1	1	1
B514		9965 000 08641	SCREW RACK	1	1	1	1	1	1	1	1	1

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DECK PARTS LIST

Pos.	⚠	12 NC	Description	14PV135/01	14PV135/07	14PV135/58	14PV235/01	14PV235/07	14PV235/58	14PV385/01	14PV385/07	14PV385/39
B516		9965 000 05342	REEL WASHER MK9 5*2.1*0.5	1	1	1	1	1	1	1	1	1
B518		4822 532 13159	P.S.W CUT 1.6X4.0X0.5T							1	1	1
B520		9965 000 17202	TU BRAKE SPRING	1	1	1	1	1	1			
B521		9965 000 16662	REV BRAKE SPRING	1	1	1	1	1	1			
B521		9965 000 17220	REV BRAKE SPG(HI)							1	1	1
B522		9965 000 12373	TG POST ASS.	1	1	1	1	1	1			
B522		9965 000 08483	TG POST ASS.							1	1	1
B525		9965 000 12230	LDG BELT	1	1	1	1	1	1	1	1	1
B529		9965 000 08504	CLEANER ASS.	1	1	1	1	1	1	1	1	1
B551		9965 000 17221	FF ARM(HI)							1	1	1
B553		9965 000 12233	REV SPRING	1	1	1	1	1	1	1	1	1
B555		9965 000 16663	RACK ASS.	1	1	1	1	1	1	1	1	1
B557		9965 000 08519	MOTOR PULLEY	1	1	1	1	1	1	1	1	1
B558		9965 000 18131	LOADING MOTOR	1	1	1	1	1	1	1	1	1
B559		9965 000 17204	CLUTCH ASS.	1	1	1	1	1	1			
B559		9965 000 16664	CLUTCH ASS.(HI)							1	1	1
B560		9965 000 08522	KICK SPRING	1	1	1	1	1	1			
B561		9965 000 08523	F DOOR SPRING	1	1	1	1	1	1	1	1	1
B562		9965 000 16665	C DRIVE LEVER(SP)	1	1	1	1	1	1	1	1	1
B563		9965 000 16666	SLIDER SHAFT	1	1	1	1	1	1	1	1	1
B564		9965 000 17205	M GEAR	1	1	1	1	1	1			
B564		9965 000 16667	M GEAR(HI)							1	1	1
B565		9965 000 17206	SENSOR GEAR	1	1	1	1	1	1			
B565		9965 000 16668	SENSOR GEAR(HI)							1	1	1
B567		9965 000 16669	PINCH ARM(B)	1	1	1	1	1	1	1	1	1
B568		9965 000 16670	BT ARM	1	1	1	1	1	1	1	1	1
B569		9965 000 17207	CAM HOLDER(F)	1	1	1	1	1	1			
B570		9965 000 12240	CAM RACK SPRING(HI)	1	1	1	1	1	1			
B571		4822 532 13159	P.S.W CUT 1.6X4.0X0.5T	1	1	1	1	1	1	1	1	1
B572		4822 532 13159	P.S.W CUT 1.6X4.0X0.5T							1	1	1
B573		9965 000 17208	REEL(SP)(D2)	1	1	1	1	1	1			
B573		9965 000 12241	REEL S							1	1	1
B574		9965 000 17209	REEL(TU)(D2)	1	1	1	1	1	1			
B574		9965 000 12376	REEL T							1	1	1
B578		9965 000 12243	TR GEAR A							1	1	1
B579		9965 000 16671	TR GEAR B							1	1	1
B580		9965 000 19638	TR GEAR C							1	1	1
B581		9965 000 16673	CENTER GEAR							1	1	1
B582		9965 000 23374	TR GEAR SPRING							1	1	1
B583		9965 000 17201	CAM WASHER							1	1	1
B585		9965 000 13687	PSW(317505)							1	1	1
B587		9965 000 16674	TENSION LEVER ASS.	1	1	1	1	1	1	1	1	1
B590		9965 000 18132	BRAKE ARM(TU)	1	1	1	1	1	1	1	1	1
B591		9965 000 17210	BAND BRAKE(TU)	1	1	1	1	1	1	1	1	1
B592		9965 000 17211	TG POST	1	1	1	1	1	1			
B592		9965 000 16678	TG POST							1	1	1
L1051		9965 000 05359	SCREW, B-TIGHT M2.6X6 PAN HEAD+	1	1	1	1	1	1	1	1	1
L1053		9965 000 05375	SCREW, S-TIGHT M2.6X8 WASHER HEAD+	1	1	1	1	1	1	1	1	1
L1151		9965 000 08642	SCREW, SEMS M2.6X4 PAN HEAD+	1	1	1	1	1	1	1	1	1
L1191		9965 000 05375	SCREW, S-TIGHT M2.6X8 WASHER HEAD+	1	1	1	1	1	1	1	1	1
L1321		4822 502 14009	SCREW, S-TIGHT M3X6 BIND HEAD+	1	1	1	1	1	1	1	1	1
L1341		9965 000 23375	SCREW, P-TIGHT M2X6 PAN HEAD+	1	1	1	1	1	1	1	1	1
L1406		9965 000 08643	AC HEAD SCREW MK9	1	1	1	1	1	1	1	1	1
L1450		4822 502 14671	SCREW, SEMS M2.6X5 PAN HEAD+	1	1	1	1	1	1	1	1	1
L1466		9965 000 05364	SCREW, S-TIGHT M2.6X6 BIND HEAD+	1	1	1	1	1	1	1	1	1
L1467		9965 000 23376	SCREW M2.6X5 WASHER HEAD+	1	1	1	1	1	1	1	1	1
L1474		4822 502 14019	SCREW, P-TIGHT M2.6X12 WASHER HEAD+	1	1	1	1	1	1	1	1	1

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